	Topic	File	Edex	AQA	OCR	Summary 700+ files for KS4+ use
Algebra	Binomial	BINOMEXP01	C2	C2	C2	Binomial expansion. Pascal's triangle. Factorial. Find a term.
Algebra	Binomial	BINOMEXP02	C2	C2	C2	Binomial expansion. Pascal's triangle. Factorial. Evaluate a term.
Algebra	Functions	FUNCTH0	C3	C3	C3	Intro: domain: range: recognition.
Algebra	Functions	FUNCTH0X	C3	C3	C3	Intro: mappings: exercise completing ranges.
Algebra	Functions	FUNCTH0Y	C3	C3	C3	Intro: further exercises completing ranges.
Algebra	Functions	FUNCTH1	C3	C3	C3	Intro: order of application.
Algebra	Functions	FUNCTH1B	C3	C3	C3	Intro: order of application.
Algebra	Functions	FUNCTH2	C3	C3	C3	Intro: inverse functions.
Algebra	Functions	FUNCTH2B	C3	C3	C3	Intro: inverse functions.
Algebra	Functions	FUNCTH3	C3	C3	C3	Inverse function machine.
Algebra	Functions	FUNCTH3X	C3	C3	C3	Exercise: find inverses of various functions.
Algebra	Graphs	MFUNC1	C1	C1	C1	Active equations and lines. Using indices, positive and negative input. 15 Q.
Algebra	Graphs	MFUNC2	C1	C1	C1	Active equations and lines. Using indices, positive and negative input. 15 Q.
Algebra	Graphs	MFUNC3	C1	C1	C1	Active equations and lines. Using indices, positive and negative input. 15 Q.
Algebra	Graphs	POLYGRAF	C1	C1	C1	$y=ax^2$, y=k: give intersection to solve quadratic
Algebra	Graphs	POLYGRAF1	C1	C1	C1	$y=ax^2+c$, y=k: give intersection to solve quadratic
Algebra	Graphs	POLYGRAF2	C1	C1	C1	$y=ax^2+c$, y=mx+k: give intersection to solve quadratic
Algebra	Graphs	POLYGRAF3	C1	C1	C1	$y=ax^2+bx+c$: explore: $y=(x+?)^2$.
Algebra	Graphs	POLYGRAF4	C1	C1	C1	$y=ax^2+bx+c$, y=mx+k: give intersection to solve quadratic: with table.
Algebra	Graphs	POLYGRAF4S	C1	C1	C1	$y=ax^2+bx+c$, y=mx+k: give intersection to solve quadratic: no table.
Algebra	Graphs	POLYGRAF5	C1	C1	C1	y=axn+bx+c: explore.
Algebra	Graphs	POLYGRAF6	C1	C1	C1	y=a(x+b)n+c: explore.
Algebra	Graphs	GRAF11E	C1	C1	C1	y = a/(x+n): explore.
Algebra	Graphs	POLYGRAF9	C1	C1	C1	y=a(x+b)^n+c: compare with 8 transformations, 1 variable.
Algebra	Graphs	POLYGRAF10	C1	C1	C1	y=a(x+b)^n+c: compare with 8 transformations, 2 variables.
Algebra	Graphs	POLYGRAF20	C1	C1	C1	$y=ax^2+bx+c$: Gradient using tangent and differentiation.
Algebra	Graphs	POLYGRAF21	C1	C1	C1	y=ax^n+bx+c: Find gradient using differentiation.
Algebra	Graphs	POLYGRAF22	C1	C1	C1	y=ax^n+bx+c: Find gradient and tangent using differentiation.
Algebra	Graphs	POLYGRAF23	C1	C1	C1	y=ax^n+bx+c: Find tangent and gradient of normal using differentiation.
Algebra	Graphs	GRAF14S	C1	C1	C1	$y=ax^2+bx+c$: compare with 8 transformations, 1 variable.
Algebra	Graphs	GRAF14VS	C1	C1	C1	$y=ax^2+bx+c$: compare with 8 transformations, 1 variable: find vertex.
Algebra	Graphs	GRAF14VX	C1	C1	C1	$y=ax^2+bx+c$: compare with 8 transformations, 1 variable: find vertex.
Algebra	Graphs	GRAF15VS	C1	C1	C1	$y=a(x+b)^2+c$: compare with 8 transformations, 1 variable: find vertex.
Algebra	Graphs	POLYGRAPH2	C1	C1	C1	Explore polynomials: form y=ax^n+bx+c with 2 sets of axes.
Algebra	Graphs	GRAF03G	C1	C1	C1	Explore solutions of simultaneous equations: ax^n+bx+c = mx+k.
Algebra	Graphs	GRAF03P	C1	C1	C1	Explore polynomials: form y=ax^n+bx+c.
Algebra	Graphs	GRAF03S	C1	C1	C1	Explore polynomials: form y=a(x+b)^n+c.
Algebra	Graphs	GRAF03Y	C1	C1	C1	Transforming polynomials: form f(x)=a(x+b)^n+c with f(x+2) etc.
Algebra	Graphs	GRAF03Z	C1	C1	C1	Transforming polynomials: form f(x)=a(x+b)^d+c with f(x+n) etc.
Algebra	Graphs	TRANSAB1	C1	C1	C1	Transforming parabolas: 15 questions: interactive.
Algebra	Graphs	TRANSAB1B	C1	C1	C1	Transforming parabolas: 15 questions: interactive.
Algebra	Graphs	GRAF11	C4	C4	FP2	y=a/x: tool: explore.
Algebra	Graphs	GRAF11B	C4	C4	FP2	y=a/x+bx: tool: explore.
Algebra	Graphs	GRAF11C	C4	C4	FP2	y=a/x+bx+c: tool: explore.
Algebra	Graphs	GRAF11D	C4	C4	FP2	y=a/nx+bx+c: tool: explore.
Algebra	Graphs	GRAF12	C4	C4	FP2	y=a/x^n: tool: explore.
Algebra	Graphs	GRAF12B	C4	C4	FP2	y=a/x^n+c: tool: explore.
Algebra	Graphs	GRAF12C	C4	C4	FP2	y=a/x^n+bx+c: tool: explore.
Algebra	Graphs	GRAF12X	C4	C4	FP2	y=ax^3+bx^2+cx+d: tool: explore.
Algebra	Graphs	GRAF14	C1	C1	C1	y=ax^2+bx+c: tool: explore.
Algebra	Graphs	GRAF14V	C1	C1	C1	y=ax^2+bx+c: tool: explore vertices.
Algebra	Graphs	GRAF15V	C1	C1	C1	y=a(x+b)^2+c: tool: explore vertices.
Algebra	Graphs	GRAF16	C1	C1	C1	y=ax^n+bx+c: tool: explore.
Algebra	Graphs	POLYGRAF7	C1	C1	C1	$y=ax^2+bx+c$: tangent given.
Algebra	Graphs	POLYGRAF8	C1	C1	C1	$y=ax^2+bx+c$: calculate tangent.
Algebra	Graphs	GRAFSP	C1	C1	C1	Parabolas: stationary points.
Algebra	Graphs	GRAFDISC	C1	C1	C1	Parabolas: discriminant.
Algebra	Graphs	GRAFMOD1	C3	C3	C3	Modulus y=|ax^n+bx+c|: explore.
Algebra	Graphs	GRAFMOD2A	C3	C3	C3	Modulus y=|a/x|: explore.
Algebra	Graphs	GRAFMOD2B	C3	C3	C3	Modulus y=|a/x+c|: explore.
Algebra	Graphs	GRAFMOD2C	C3	C3	C3	Modulus y=|a/x+bx+c|: explore.
Algebra	Graphs	GRAFMOD2D	C3	C3	C3	Modulus y=|a/nx+bx+c|: explore.
Algebra	Graphs	GRAFMOD2E	C3	C3	C3	Modulus y = |a/(x+n)|: explore.
Algebra	Graphs	GRAFMOD3A	C3	C3	C3	Modulus y=|a/x^n|: explore.
Algebra	Graphs	GRAFMOD3B	C3	C3	C3	Modulus y=|a/x^n+c|: explore.
Algebra	Graphs	GRAFMOD3C	C3	C3	C3	Modulus y=|a/x^n+bx+c|: explore.
Algebra	Graphs	LINES10	C1	C1	C1	Solving equations using graphs
Algebra	Graphs	LINES10B	C1	C1	C1	Solving equations using graphs
Algebra	Graphs	MFUNCST	C3	C3	C1	y=ax^n+bx+c: Explore negative indices
Algebra	Graphs	MFUNC1P	C1	C1	C1	Active equations and lines. Using indices, positive and negative input. 15 Q.
Algebra	Graphs	MFUNC2P	C1	C1	C1	Active equations and lines. Using indices, positive and negative input. 15 Q.
Algebra	Graphs	MFUNC3P	C1	C1	C1	Active equations and lines. Using indices, positive and negative input. 15 Q.
Algebra	Inequalities	NLINE01	C1	C1	C1	Notation: Integer: Rational: Real: Sets :Inequalities: reminders.
Algebra	Inequalities	NLINE02A	C1	C1	C1	Notation: Integer: Rational: Real: Sets :Inequalities: exercises.
Algebra	Inequalities	NLINE02B	C1	C1	C1	Notation: Integer: Rational: Real: Sets :Inequalities: exercises.
Algebra	Inequalities	NLINE03A	C1	C1	C1	Notation: Integer: Rational: Real: Sets :Inequalities: exercises.
Algebra	Inequalities	NLINE03B	C1	C1	C1	Notation: Integer: Rational: Real: Sets :Inequalities: exercises.
Algebra	Indices	INDIC09T	C1	C2	C1	Fractional indices.
Algebra	Indices	INDIC10T	C1	C2	C1	Explore decimal indices.
Algebra	Indices	POWS1	C1	C2	C1	Raise to the power: index notation: many levels of use.
Algebra	Indices	POWS2	C1	C2	C1	Raise to the power: fractional indices only: many levels of use.
Algebra	Indices	INDIC09	C1	C2	C1	Fractional indices: positive and negative.
Algebra	Indices	INDIC09B	C1	C2	C1	Fractional indices: positive and negative.
Algebra	Indices	INDIC10	C1	C2	C1	Investigate decimal indices.

Algebra	Indices	INDIC10B	C1	C2	C1	Investigate decimal indices.
Algebra	Indices	INDIC11	C1	C2	C1	Explore indices.
Algebra	Inequalities	COORDSP7A	C1	C1	C1	Satisfying inequalities: plot 6 points.
Algebra	Inequalities	COORDSP7B	C1	C1	C1	Satisfying inequalities: plot 6 points.
Algebra	Iteration	ITER01	C3	C3	FP2	Introduction to iteration.
Algebra	Iteration	ITER02	C3	C3	FP2	Result with alternative transposition.
Algebra	Iteration	ITER03	C3	C3	FP2	Same function, further comparison, change start number.
Algebra	Iteration	ITER04	C3	C3	FP2	Result with alternative transposition.
Algebra	Iteration	ITER04B	C3	C3	FP2	Result with alternative transposition with added graphic.
Algebra	Iteration	ITER05	C3	C3	FP2	New function, converge and diverge.
Algebra	Iteration	ITER05B	C3	C3	FP2	New function, converge and diverge with added graphic.
Algebra	Iteration	ITER06	C3	C3	FP2	Iteration with active cobweb diagram. Investigate.
Algebra	Iteration	ITER06B	C3	C3	FP2	Iteration with active cobweb diagram. Second root.
Algebra	Iteration	ITER06C	C3	C3	FP2	Iteration with active cobweb diagram, using discontiuous function.
Algebra	Iteration	ITER06D	C3	C3	FP2	Iteration with active cobweb diagram, not convergent or divergant.
Algebra	Lines	GRAD01	C1	C1	C1	Gradients and perpendiculars of lines from equations after transposition..
Algebra	Lines	GRAD01B	C1	C1	C1	New function, two paths, two roots.
Algebra	Lines	EQLINE01	C1	C1	C1	Write equations of lines that fit information given.
Algebra	Lines	EQLINE01B	C1	C1	C1	Write equations of lines that fit information given.
Algebra	Lines	EQLINE21	C1	C1	C1	Write equations of lines that fit information given.
Algebra	Lines	EQLINE21B	C1	C1	C1	Write equations of lines that fit information given.
Algebra	Long Division	ALGLDS01	C2	C1	C2	Algebraic long division. Starter.
Algebra	Long Division	ALGLDS02	C2	C1	C2	Remainder Theorem. Starter.
Algebra	Long Division	ALGLD01	C2	C1	C2	Algebraic long division. Worksheet with intro.
Algebra	Long Division	ALGLD02	C2	C1	C2	Algebraic long division. Worksheet with intro.
Algebra	Long Division	ALGLD03	C2	C1	C2	Algebraic long division. Worksheet with intro.
Algebra	Long Division	ALGLD04	C2	C1	C2	Algebraic long division. Worksheet with intro.
Algebra	Long Division	ALGLD05	C2	C1	C2	Algebraic long division. Worksheet.
Algebra	Long Division	ALGLD06	C2	C1	C2	Algebraic long division. Worksheet.
Algebra	Long Division	ALGLD07	C2	C1	C2	Using the Remainder Theorem. Worksheet.
Algebra	Long Division	ALGLD07B	C2	C1	C2	Using the Remainder Theorem. Worksheet.
Algebra	Partial Fractions	PARFRACS01	C4	C4	C4	Writing as partial fractions with linear factors.
Algebra	Partial Fractions	PARFRACS02	C4	C4	C4	Writing as partial fractions with repeated factor.
Algebra	Partial Fractions	PARFRACS03	C4	C4	C4	Writing as partial fractions with quadratic factor.
Algebra	Progressions	ARPROG01	C1/2	C2	C2	Explore arithmetic progressions. (Series).
Algebra	Progressions	GEPROG01	C1/2	C2	C2	Explore geometric progressions. (Series).
Algebra	Progressions	QUPROG01	C1/2	C2	C2	Explore quadratic progressions. (Series).
Algebra	Quadratics	CSQUR01	C1	C1	C1	Complete the square: $x^2 + bx + c$: intro.
Algebra	Quadratics	CSQUR01B	C1	C1	C1	Complete the square: $x^2 + bx + c$: intro.
Algebra	Quadratics	CSQUR02	C1	C1	C1	Complete the square: $x^2 + bx + c$.
Algebra	Quadratics	CSQUR02B	C1	C1	C1	Complete the square: $x^2 + bx + c$.
Algebra	Quadratics	CSQUR03	C1	C1	C1	Complete the square: $ax^2 + bx + c$: intro.
Algebra	Quadratics	CSQUR03B	C1	C1	C1	Complete the square: $ax^2 + bx + c$: intro.
Algebra	Quadratics	CSQUR04	C1	C1	C1	Complete the square: $ax^2 + bx + c$.
Algebra	Quadratics	CSQUR04B	C1	C1	C1	Complete the square: $ax^2 + bx + c$.
Algebra	Quadratics	EQUAD01	C1	C1	C1	Use quadratic formula to solve quadratics.
Algebra	Quadratics	EQUAD01B	C1	C1	C1	Use quadratic formula to solve quadratics.
Algebra	Quadratics	GRAF09	C1	C1	C1	Graphical tool: introduction to stationary points.
Algebra	Quadratics	GRAF10	C1	C1	C1	Graphical tool: practice with discriminant.
Algebra	Quadratics	QUADS01A	C1	C1	C1	Calculate stationary points.
Algebra	Quadratics	QUADS01B	C1	C1	C1	Calculate stationary points.
Algebra	Quadratics	QUADS02A	C1	C1	C1	Calculate stationary points.
Algebra	Quadratics	QUADS02B	C1	C1	C1	Calculate stationary points.
Algebra	Quadratics	QUADS03	C1	C1	C1	Building quadratics from given roots
Algebra	Quadratics	QUADS03B	C1	C1	C1	Building quadratics from given roots
Algebra	Quadratics	QUADS05	C1	C1	C1	Discriminant and roots. Finding number of roots of quadratic equations.
Algebra	Quadratics	QUADS05B	C1	C1	C1	Discriminant and roots. Finding number of roots of quadratic equations.
Algebra	Quadratics	SOLQU02	C1	C1	C1	Factorize and solve quadratics.
Algebra	Quadratics	SOLQU02B	C1	C1	C1	Factorize and solve quadratics.
Algebra	Quadratics	SQSP01	C1	C1	C1	Preliminary practice finding roots given sum and product of roots.
Algebra	Quadratics	SQSP01B	C1	C1	C1	Preliminary practice finding roots given sum and product of roots.
Algebra	Quadratics	SQSP02	C1	C1	C1	Finding roots using sum and product of roots with $ax^2 + bx + c$.
Algebra	Quadratics	SQSP02B	C1	C1	C1	Finding roots using sum and product of roots with $ax^2 + bx + c$.
Algebra	Quadratics	SQSP03	C1	C1	C1	Finding roots using sum and product of roots with $ax^2 + bx + c$, req transposition.
Algebra	Quadratics	SQSP03B	C1	C1	C1	Finding roots using sum and product of roots with $ax^2 + bx + c$, req transposition.
Algebra	Sequences	NTERM03	C1	C2	C1	Sequences: quadratic: nth term using 2nd row of differences.
Algebra	Sequences	DIFQUAD01	C1	C2	C1	Writing quadratic functions using second difference. Ten questions.
Algebra	Sequences	DIFQUAD01QA	C1	C2	C1	Writing quadratic functions using second difference. Ten questions.
Algebra	Sequences	DIFQUAD01QB	C1	C2	C1	Writing quadratic functions using second difference. Ten questions.
Algebra	Sequences	DIFQUAD02QA	C1	C2	C1	Writing quadratic functions using second difference. Ten questions.
Algebra	Sequences	DIFQUAD02QB	C1	C2	C1	Writing quadratic functions using second difference. Ten questions.
Algebra	Sequences	NTERM03B	C1	C2	C1	Sequences: quadratic: nth term using 2nd row of differences.
Algebra	Sequences	NTERM04	C1	C2	C1	Sequences: quadratic: nth term using 2nd row of differences.
Algebra	Sequences	NTERM04B	C1	C2	C1	Sequences: quadratic: nth term using 2nd row of differences.
Algebra	Series	GEOMEAN	C1/C2	C2	C2	Geometric mean. Tool.
Algebra	Series	DATA15A	C1/C2	C2	C2	Geometric mean.
Algebra	Series	DATA15B	C1/C2	C2	C2	Geometric mean.
Algebra	Surds	SURDS01	C1	C1	C1	Surds: irrational numbers.
Algebra	Surds	SQUART03	C1	C1	C1	Root a × root b = root(a × b).
Algebra	Surds	SURDS01B	C1	C1	C1	Surds: irrational numbers.
Algebra	Surds	SURDS1A	C1	C1	C1	Express as simplified surd.
Algebra	Surds	SURDS1B	C1	C1	C1	Express as simplified surd.
Algebra	Surds	SURDS2A	C1	C1	C1	Express as single square root.
Algebra	Surds	SURDS2B	C1	C1	C1	Express as single square root.
Algebra	Surds	SURDS3A	C1	C1	C1	Improve/simplify.

Algebra	Surds	SURDS3B	C1	C1	C1	Improve/simplify.
Algebra	Surds	SURDS4A	C1	C1	C1	Improve/simplify.
Algebra	Surds	SURDS4B	C1	C1	C1	Improve/simplify.
Algebra	Surds	SURDS5A	C1	C1	C1	Improve/simplify (sums and differences).
Algebra	Surds	SURDS5B	C1	C1	C1	Improve/simplify (sums and differences).
Algebra	Surds	SURDS6A	C1	C1	C1	Rationalising.
Algebra	Surds	SURDS6B	C1	C1	C1	Rationalising.
Calculus	Differentiation	SLOPET01	C1	C1	C1	y=x²: Exploring gradient. Open tool. A close look using a chord. Gradient given.
Calculus	Differentiation	SLOPET01G	C1	C1	C1	y=x²: Exploring gradient. Open tool. A close look using a chord. Calculate gradient.
Calculus	Differentiation	SLOPET02	C1	C1	C1	y=ax²+bx+c: Exploring gradient. Open tool. Using a chord. Gradient given.
Calculus	Differentiation	SLOPET02G	C1	C1	C1	y=ax²+bx+c: Exploring gradient. Open tool. Using a chord. Calculate gradient.
Calculus	Differentiation	SLOPE04	C1	C1	C1	y=x²: Exploring gradient. Open tool. A close look using differences.
Calculus	Differentiation	SLOPE04B	C1	C1	C1	y=ax²+bx+c: Exploring gradient. Open tool. A close look using differences.
Calculus	Differentiation	SLOPE04C	C1	C1	C1	y=x²: Exploring gradient. Open tool. Differences and differentiation.
Calculus	Differentiation	SLOPE04D	C1	C1	C1	y=ax²+bx+c: Exploring gradient. Open tool. Differences and differentiation.
Calculus	Differentiation	SLOPET05	C1	C1	C1	y=ax^n+bx+c: Exploring gradient. Open tool. Using a chord. Gradient given.
Calculus	Differentiation	SLOPET05G	C1	C1	C1	y=ax^n+bx+c: Exploring gradient. Open tool. Using a chord. Calculate gradient.
Calculus	Differentiation	SLOPE04X	C1	C1	C1	y=ax^n+bx+c: Exploring gradient. Open tool. Differences and differentiation.
Calculus	Differentiation	DIFEQ00	C1	C1	C1	Explore differentiation of a single term.
Calculus	Differentiation	DIFEQ01	C1	C1	C1	Explore differentiation of other forms of equations.
Calculus	Differentiation	DIFEX01E	C1	C1	C1	Single term differentiation with active sketch.
Calculus	Differentiation	DIFEX01F	C1	C1	C1	Single term differentiation with active sketch. Function notation.
Calculus	Differentiation	SLOPE05	C1	C1	C1	y=ax²+c: Exploring gradient. Open tool. Differential prompt.
Calculus	tangent	TANCIRC01	C1	C1	C1	Exploring tangent to the circumference of a circle. Action button.
Calculus	Differentiation	SLOPE06	C1	C1	C1	y=ax²+c: Exploring gradient. Open tool. Differentiate and substitute.
Calculus	Differentiation	SLOPE07	C1	C1	C1	y=ax²+bx+c: Exploring gradient. Differentiate and substitute.
Calculus	Differentiation	SLOPE07AT	C1	C1	C1	y=ax²+bx+c: Exploring gradient. Differentiate and substitute. With tangent action.
Calculus	Differentiation	SLOPE08	C1	C1	C1	y=ax²+bx+c: Exploring gradient. Write the equation of the tangent.
Calculus	Differentiation	SLOPE09	C1	C1	C1	y=ax²+bx+c: Exploring gradient. Using two close points to determine the gradient.
Calculus	Differentiation	SLOPE10	C1	C1	C1	y=ax^n+bx+c: Exploring gradient. Using two close points to determine the gradient.
Calculus	Differentiation	SLOPE10AT	C1	C1	C1	y=ax^n+bx+c: Exploring gradient. Using two close points to determine the gradient. (Action)
Calculus	Differentiation	SLOPE12	C1	C1	C1	y=ax^2+bx+c: choose values and find the equation of the tangent. Open tool.
Calculus	Differentiation	SLOPE14	C1	C1	C1	Cubic, 4 variables: choose values and find the equation of the tangent. Open tool.
Calculus	Differentiation	SLOPE15	C1	C1	C1	Quartic, 5 variables: choose values and find the equation of the tangent. Open tool.
Calculus	Differentiation	POLYGRAF20	C1	C1	C1	y=ax²+bx+c: Gradient using tangent and differentiation.
Calculus	Differentiation	POLYGRAF21	C1	C1	C1	y=ax^n+bx+c: Find gradient using differentiation.
Calculus	Differentiation	POLYGRAF22	C1	C1	C1	y=ax^n+bx+c: Find gradient and tangent using differentiation.
Calculus	Differentiation	POLYGRAF23	C1	C1	C1	y=ax^n+bx+c: Find tangent and gradient of normal using differentiation.
Calculus	Differentiation	DIFUNCT01	C1	C1	C1	Differentiate, gradient, equation of tangent, gradient of the normal.
Calculus	Differentiation	DIFUNCT01B	C1	C1	C1	Differentiate, gradient, equation of tangent, gradient of the normal.
Calculus	Differentiation	STPOINT01	C1	C1	C1	y=ax²+bx+c: Explore stationary point. Open tool.
Calculus	Differentiation	STPOINT02	C1	C1	C1	Cubics with 4 variables: Explore stationary points. Open tool.
Calculus	Differentiation	STPOINT03	C1	C1	C1	Quartics with 5 variables: Explore stationary points. Open tool.
Calculus	The 2nd derivative	STPOINT04	C1	C1	C1	Cubics with 4 variables: Explore second derivative and point of inflection. Open tool.
Calculus	Differentiation	STPOINT01AT	C1	C1	C1	y=ax²+bx+c: Explore stationary point. Open tool. With tangent action.
Calculus	Differentiation	STPOINT02AT	C1	C1	C1	Cubics with 4 variables: Explore stationary points. Open tool. With tangent action.
Calculus	Differentiation	STPOINT03AT	C1	C1	C1	Quartics with 5 variables: Explore stationary points. Open tool. With tangent action.
Calculus	Differentiation	STPOINT02A	C1	C1	C1	Graphs of cubics with 4 variables: stationary points. 10 questions.
Calculus	Differentiation	EQLINE31	C1	C1	C1	Write equations of tangents to polynomials.
Calculus	Differentiation	EQLINE31B	C1	C1	C1	Write equations of tangents to polynomials.
Calculus	The 2nd derivative	STPOINT04A	C1	C1	C1	Graphs of cubics: second derivative and point of inflection. 10 questions.
Calculus	Integration	INTEX01E	C1	C1	C2	Single term integration. Introduction. Reverse differentiation.
Calculus	Integration	INTEX01F	C1	C1	C2	Single term integration. Introduction. Function notation. Reverse differentiation.
Calculus	Integration	INTEX02	C1	C1	C2	Single term integration. Introduction.Simple.
Calculus	Integration	INTEX03	C1	C1	C2	Single term integration. Pos. and neg. indices. Between limits with sketch.
Calculus	Integration	INTEX04	C1	C1	C2	Single term integration. Pos. and neg. indices. Between limits with graph.
Calculus	Integration	INTEX04V	C1	C1	C2	As above with scaleable y axis.
Calculus	Integration	TRAPM03	C2	C2	C2	Area under graphs between limits, up to quartic, shows trapezium rule method.
Calculus	Integration	TRAPM03C	C2	C2	C2	Area under graphs between limits, up to quartic, compare integral and trapezium rule soluti
Calculus	Integration	MIDORD03	C2	C2	C2	Area under graphs between limits, up to quartic, shows mid-ordinate rule method.
Calculus	Integration	MIDORD03C	C2	C2	C2	Area under graphs between limits, up to quartic, compare integral and mid-ordinate rule sol
Calculus	Integration	MIDORD03C2	C2	C2	C2	Area under graphs as above with two diagrams to explore curve further.
Calculus	Integration	INTGR03	C2	C2	C2	Area under graphs between limits, shading, up to quartic, uses trapezium rule method.
Calculus	Integration	INTGR032	C2	C2	C2	Area under graphs as above with two diagrams to explore curve further.
Calculus	Integration	INTGR03C	C2	C2	C2	Area under graphs between limits, shading, up to quartic, compare integral and trapezium r
Calculus	Integration	INTGR03C2	C2	C2	C2	Area under graphs as above with two diagrams to explore curve further.
Calculus	Integration	INTGR04C	C2	C2	C2	Area under graphs between limits, shading, up to quartic, compare integral, trapezium and
Calculus	Integration	INTGR04C2	C2	C2	C2	Area under graphs as above with two diagrams to explore curve further.
Calculus	Integration	INTGR05C	C2	C2	C2	Area under graphs as above, with line y = n. Observe the effect on the differentiated functio
Calculus	Integration	INTGR05C2	C2	C2	C2	Area under graphs as above with two diagrams to explore curve further.
Calculus	Integration	TRAPM10A	C2	C2	C2	Calculate area under graphs. Quadratic. Trapeziums shown. 5 questions.
Calculus	Integration	TRAPM10B	C2	C2	C2	Calculate area under graphs. Quadratic. Trapeziums shown. 5 questions.
Calculus	Integration	TRAPM11A	C2	C2	C2	Calculate area under graphs. Polynomials. Trapeziums shown. 5 questions.
Calculus	Integration	TRAPM11B	C2	C2	C2	Calculate area under graphs. Polynomials. Trapeziums shown. 5 questions.
Calculus	Integration	TRAPM12A	C2	C2	C2	Calculate area under graphs. Polynomials. Trapeziums shown. 5 questions.
Calculus	Integration	TRAPM12B	C2	C2	C2	Calculate area under graphs. Polynomials. Trapeziums shown. 5 questions.
Calculus	Integration	MIDORD10A	C2	C2	C2	Calculate area under graphs. Quadratic. Mid-ordinates shown. 5 questions.
Calculus	Integration	MIDORD10B	C2	C2	C2	Calculate area under graphs. Quadratic. Mid-ordinates shown. 5 questions.
Calculus	Integration	MIDORD11A	C2	C2	C2	Calculate area under graphs. Polynomials. Mid-ordinates shown. 5 questions.
Calculus	Integration	MIDORD11B	C2	C2	C2	Calculate area under graphs. Polynomials. Mid-ordinates shown. 5 questions.
Calculus	Integration	MIDORD12A	C2	C2	C2	Calculate area under graphs. Polynomials. Mid-ordinates shown. 5 questions.
Calculus	Integration	MIDORD12B	C2	C2	C2	Calculate area under graphs. Polynomials. Mid-ordinates shown. 5 questions.
Calculus	Integration	INTGR10A	C1	C2	C2	Calculate area under graphs. Integration supplied. 5 questions.
Calculus	Integration	INTGR10B	C1	C2	C2	Calculate area under graphs. Integration supplied. 5 questions.
Calculus	Integration	INTGR11A	C1	C2	C2	Calculate area under graphs. Integration supplied. 5 questions.

Calculus	Integration	INTGR11B	C1	C2	C2	Calculate area under graphs. Integration supplied. 5 questions.
Calculus	Integration	INTGR12A	C1	C2	C2	Calculate area under graphs. Integrate first. 5 questions.
Calculus	Integration	INTGR12B	C1	C2	C2	Calculate area under graphs. Integrate first. 5 questions.
Calculus	Integration	INTGR14A	C1	C2	C2	Calculate area under graphs. Change form of function and integrate first. 5 questions.
Calculus	Integration	INTGR14B	C1	C2	C2	Calculate area under graphs. Change form of function and integrate first. 5 questions.
Calculus	Integration	INTGRP01	C1	C2	C2	Integrate y = (x + 3)² and calculate the area under the graph within limits set.
Calculus	Integration	INTGRP02	C1	C2	C2	Integrate y = (2x - 2)² and calculate the area under the graph within limits set.
Calculus	Integration	INTGRP03	C1	C2	C2	Integrate y = (x - 2)² + 4 and calculate the area under the graph within limits set.
Calculus	Integration	INTGRP04	C1	C2	C2	Integrate y = 2(x - 1)² and calculate the area under the graph within limits set.
Calculus	Integration	INTGRP05	C1	C2	C2	Integrate y = 2(2x - 1)² + 4 and calculate the area under the graph within limits set.
Calculus	Integration	INTGRP06	C1	C2	C2	Integrate y = (x + 1)³ and calculate the area under the graph within limits set.
Calculus	Integration	INTGRP07	C1	C2	C2	Integrate y = (x - 1)³ and calculate the area under the graph within limits set.
Calculus	Integration	INTGRP08	C1	C2	C2	Integrate y = x(x + 2)² and calculate the area under the graph within limits set.
Calculus	Integration	INTGRP09	C1	C2	C2	Integrate y = x(x - 2)² + 6 and calculate the area under the graph within limits set.
Calculus	Integration	INTGRP10	C1	C2	C2	Integrate y = x(2x - 2)² + 6 and calculate the area under the graph within limits set.
Data	Combinations	FACTRL	S1	S1	S1	Factorial tool. Evaluate 2! to 9!
Data	Combinations	FACTRL02	S1	S1	S1	Factorial tool. Factorial/Factorial.
Data	Combinations	FACTRL03	S1	S1	S1	Factorial tool. Factorial/Factorial.Factorial.
Data	Combinations	PERMUT01	S1	S1	S1	Explore permutations.
Data	Combinations	PERMUT02	S1	S1	S1	Explore permutations.
Data	Combinations	PERMUT03	S1	S1	S1	Explore permutations.
Data	Combinations	PERMUTQ301	S1	S1	S1	Explore permutations: how many odd numbers.
Data	Combinations	PERMUTQ302	S1	S1	S1	Explore permutations: evens and odds.
Data	Combinations	PERMUTQ401	S1	S1	S1	Explore permutations: letters with repeats.
Data	Combinations	PERMUTQ402	S1	S1	S1	Explore permutations with repeats.
Data	Combinations	PERMUTQ501	S1	S1	S1	Explore permutations with multiple repeats.
Data	Combinations	PERMUTQ502	S1	S1	S1	Explore permutations with multiple repeats.
Data	Combinations	PERMUTQ601	S1	S1	S1	Explore permutations: number of arrangements of subsets.
Data	Combinations	COMBIN01	S1	S1	S1	Explore combinations.
Data	Combinations	COMBINQ01	S1	S1	S1	Combinations questions.
Data	Combinations	COMBINQ02	S1	S1	S1	Combinations questions.
Data	Combinations	PERMUT04	S1	S1	S1	Explore permutations.
Data	Combinations	PERMUT05	S1	S1	S1	Explore permutations without repeats.
Data	Combinations	FACTRLTL	S1	S1	S1	Factorial tool. Evaluates 3 factorials and multiplyer/3 factorials and multiplyer.
Data	Combinations	FACTRLTL2	S1	S1	S1	Factorial and addition tool.
Data	Combinations	FACTRLTLQ	S1	S1	S1	As above but value not supplied. Evaluate.
Data	Combinations	FACTRLTLQ01	S1	S1	S1	Permutations questions.
Data	Combinations	FACTRLTLQ0B	S1	S1	S1	Permutations questions.
Data	Combinations	FACTRLTLQ7	S1	S1	S1	Permutations questions: repeat use allowed.
Data	Combinations	FACTRLTLQ8	S1	S1	S1	Permutations questions: repeat use allowed.
Data	Combinations	FACTRLTLQ9	S1	S1	S1	Permutations questions: repeat use allowed.
Data	Combinations	FACTRLTLQ15	S1	S1	S1	Written questions with comprehensive tool.
Data	Probability	BINPROB01	S1	S1	S1	Probability with coins. Binomial distribution. Pascal's triangle. Factorial.
Data	Probability	BINPROB02	S1	S1	S1	Probability, coins with questions. Binomial. Pascal's triangle. Factorial.
Data	Probability	PRBAB15T1	S1	S1	S1	Set Notation: Venn diagram.
Data	Probability	PRBAB15T2	S1	S1	S1	Set Notation: Venn diagram.
Data	Probability	PRBAB15T3	S1	S1	S1	Set Notation: Venn diagram.
Data	Probability	PRBAB16T1	S1	S1	S1	Set Notation: Venn diagram: 1 card from pack.
Data	Probability	PRBAB16T2	S1	S1	S1	Set Notation: Venn diagram: 1 card from pack.
Data	Probability	PRBAB16T3	S1	S1	S1	Set Notation: Venn diagram: 1 card from pack.
Data	Probability	PRBAB17T1	S1	S1	S1	Venn diagram: 2 cards.
Data	Probability	PRBAB17T2	S1	S1	S1	Venn diagram: 2 cards.
Data	Probability	PRBAB17T3	S1	S1	S1	Venn diagram: 3 cards.
Data	Probability	PRBAB18T1	S1	S1	S1	3 Subset Venn diagram: cards.
Data	Probability	PRBAB18TR1	S1	S1	S1	Tree diagram: 2 cards.
Data	Probability	PRBAB18TR2	S1	S1	S1	Tree diagram: 2 cards.
Data	Probability	PRBAB18TR3	S1	S1	S1	Tree diagram: 2 cards.
Geometry	Coordinate Geometry	CG01	C1	C1	C1	Vectors representing displacements.
Geometry	Coordinate Geometry	CG03	C1	C1	C1	Parallel vectors with different magnitudes: using a scalar.
Geometry	Coordinate Geometry	CG04	C1	C1	C1	Magnitudes, unit vectors, parallel unit vectors.
Geometry	Coordinate Geometry	CG05	C1	C1	C1	Magnitudes: expressing as surds.
Geometry	Coordinate Geometry	CG06	C1	C1	C1	Perpendicular vectors.
Geometry	Coordinate Geometry	CG07	C1	C1	C1	Gradients.
Geometry	Coordinate Geometry	CG08	C1	C1	C1	Gradients and perpendicular vectors.
Geometry	Coordinate Geometry	CG08P	C1	C1	C1	Gradients of vectors and perpendicular vectors.
Geometry	Coordinate Geometry	CG09	C1	C1	C1	Gradients to lines from diagrams.
Geometry	Coordinate Geometry	CG10	C1	C1	C1	Gradients to lines given vector and point.
Geometry	Coordinate Geometry	CGD02	C1	C1	C1	Distance between two points given end-point co-ordinates.
Geometry	Coordinate Geometry	CGE01	C1	C1	C1	Transposition of equations to form y = mx + c.
Geometry	Coordinate Geometry	CGE02	C1	C1	C1	Gradient and intercept from equations: some mental transposition needed.
Geometry	Coordinate Geometry	CGE03	C1	C1	C1	Transposition of equations to the form ax + by = c.
Geometry	Coordinate Geometry	CGG01	C1	C1	C1	Finding gradients given two points.
Geometry	Coordinate Geometry	CGMP01	C1	C1	C1	Finding mid-points from co-ordinates.
Geometry	Coordinate Geometry	CGMP02	C1	C1	C1	Finding end-points from mid-points and vectors.
Geometry	Coordinate Geometry	CGMP03	C1	C1	C1	Finding other points along line segments from end-point co-ordinates.
Geometry	Coordinate Geometry	CGMP04	C1	C1	C1	Finding other points along line segments using co-ordinates and ratios.
Geometry	Coordinate Geometry	CGPA01	C1	C1	C1	Find equation of line parallel with given point: introduction.
Geometry	Coordinate Geometry	CGPA02	C1	C1	C1	Equation of line parallel with given point: practice: equ. in different forms.
Geometry	Coordinate Geometry	CGPE01	C1	C1	C1	Find equation of line perpendicular with given point: introduction.
Geometry	Coordinate Geometry	CGPE02	C1	C1	C1	Equation of line perpendicular with given point: practice.
Geometry	Coordinate Geometry	CG02	C1	C1	C1	Magnitudes.
Logs	Logarithms	INDICLOG00	C2	C2	C2	Logs as indices: explore notation and meaning.
Logs	Logarithms	INDICLOG00B	C2	C2	C2	Logs as indices: any number to the power 0 is 1.
Logs	Logarithms	INDICLOG00X	C3	C3	C3	Logs as indices: explore notation and meaning inc. natural log.
Logs	Logarithms	INDICLOG01X	C3	C3	C3	Graphs of n^x against Lognx (inc. natural log).

Logs	Logarithms	INDICLOG1	C2	C2	C2	Logs as indices: explore notation and meaning.
Logs	Logarithms	INDICLOG2	C2	C2	C2	Explore log10 (y) = log10 (10x).
Logs	Logarithms	INDICLOG3	C2	C2	C2	Given y, solve $y = 2^x$ for x using logs, exposition.
Logs	Logarithms	INDICLOG3B	C2	C2	C2	Using log base 10 to solve problems with logs in other bases: explore.
Logs	Logarithms	INDICLOG3Q	C2	C2	C2	Using log base 10 to solve problems with logs in other bases: practice.
Logs	Logarithms	INDICLOG4	C2	C2	C2	Given y, solve $y = 2^x$ for x using logs: practice.
Logs	Logarithms	INDICLOG5	C2	C2	C2	Adding and subtracting logs: practice with various situations.
Logs	Logarithms	INDICLOG6	C2	C2	C2	Negative indices and logs.
Logs	Logarithms	LOG10X	C2	C2	C2	Explore inverse using graph of $y = 10^x$
Logs	Logarithms	LOG2X	C2	C2	C2	Explore inverse using graph of $y = 2^x$
Logs	Logarithms	LOG2XB	C2	C2	C2	Explore graph of $y = \log_2 x$
Logs	Logarithms	LOG2XE	C2	C2	C2	Transpose graph of $y = \log_2 x$
Mechanics	Equilibrium	BEAM01S	M1	M1	M1	Balance the beam with distance and mass. Intro. Open.
Mechanics	Equilibrium	BEAM01Q	M1	M1	M1	Balance the beam with distance and mass. 10 problems.
Mechanics	Equilibrium	BEAM01QB	M1	M1	M1	Balance the beam with distance and mass. 10 problems.
Mechanics	Equilibrium	BEAM02Q	M1	M1	M1	Balance the beam with distance and mass. 10 problems.
Mechanics	Equilibrium	BEAM02QB	M1	M1	M1	Balance the beam with distance and mass. 10 problems.
Mechanics	Moments	BEAM00	M1	M1	M1	Moments and equilibrium. Introduction.
Mechanics	Moments	BEAM01	M1	M1	M1	Moments and equilibrium
Mechanics	Moments	CEGR00	M2	M2	M1	Moments. Centre of gravity.
Mechanics	Moments	CEGR01	M2	M2	M1	Moments. Centre of gravity.
Mechanics	Moments	LAMIN00	M2	M2	M1	Lamina. Centre of gravity. Combined shapes.
Mechanics	Moments	LAMIN01	M2	M2	M1	Lamina. Centre of gravity. Combined shapes.
Mechanics	Moments	LAMIN02	M2	M2	M1	Lamina. Centre of gravity. Combined shapes.
Mechanics	Moments	MASSS00	M2	M2	M1	Combined centre of mass. Four isolated masses.
Mechanics	Moments	MASSS00B	M2	M2	M1	Combined centre of mass. Four isolated masses.
Mechanics	Moments	CENTRD00	M2	M2	M1	Centroids of triangles. Introduction and 10 questions.
Mechanics	Moments	LAMIN03	M2	M2	M1	Lamina. Centre of gravity. Combined shapes.
Mechanics	Moments	LAMIN04	M2	M2	M1	Lamina. Centre of gravity. Combined shapes.
Mechanics	Moments	LAMIN05	M2	M2	M1	Lamina. Centre of gravity. Combined shapes.
Mechanics	Moments	LAMIN06	M2	M2	M1	Lamina. Centre of gravity. Combined shapes.
Mechanics	Moments	CENTROID02	M2	M2	M1	Centroids of triangles. Draw and calculate using trigonometry. Extension.
Mechanics	Kinematics	SPD01	M1	M1	M1	$v = ut$
Mechanics	Kinematics	SPD02	M1	M1	M1	$s = ½at^2$
Mechanics	Kinematics	SPD03	M1	M1	M1	$s = ut + ½at^2$
Mechanics	Kinematics	SPD04	M1	M1	M1	$v = u + at$
Mechanics	Kinematics	SPD05	M1	M1	M1	$v = u^2 + 2as$
Number	Multiplication	FUNMUL01	X	X	X	Investigate unusual way of multiplying two digit numbers.
Number	Multiplication	FUNMUL02	X	X	X	Investigate unusual way of multiplying two digit numbers.
Number	Error	ERRORS01	X	X	X	Relative and percentage error.
Number	Error	PERC07E	X	X	X	Maximum error as a percentage.
Number	Error	PERC07F	X	X	X	Maximum error as a percentage.
Sets	Set Notation	SETNW01A	S1	S1	S4	Set notation: overview: Universal set, elements, number, union and intersection.
Sets	Set Notation	SETNW01B	S1	S1	S4	Set notation: sorting numbers: union and intersection: sorting diagram (Venn).
Sets	Set Notation	SETNW01C	S1	S1	S4	Set notation: Sorting numbers: union and intersection: interactive sorting diagram.
Sets	Set Notation	SETNW01D	S1	S1	S4	Set notation: sorting numbers: complement: interactive sorting diagram.
Sets	Set Notation	SETNW02	S1	S1	S4	Set notation: union, intersection and complement. Venn diagram supplied.
Sets	Set Notation	SETNW03	S1	S1	S4	Union, intersection and complement with co-ordinates. Venn diagram supplied.
Sets	Set Notation	SETNW04	S1	S1	S4	Union, intersection and complement. Interactive Venn diagram.
Sets	Set Notation	SETNW04B	S1	S1	S4	Union, intersection and complement. Interactive Venn diagram.
Sets	Set Notation	SETNW05	S1	S1	S4	The number line. Symbols for integers, rational and real numbers.
Geometry	Angle	CANGCC	C2	C2	C2	Circle geometry: angle at centre and circumference: calculate angles: trig.
Geometry	Angle	CANGCT	C2	C2	C2	Circle geometry: calculate angles of circumscribed triangle using trig.
Geometry	Angle	ANGLEC01T	KS4	KS4	KS4	Circle geometry: same segment.
Geometry	Angle	ANGLEC02T	KS4	KS4	KS4	Circle geometry: same segment: angle at centre.
Geometry	Angle	ANGLEC03T	KS4	KS4	KS4	Circle geometry: same segment: angle at centre.
Geometry	Angle	ANGLEC04T	KS4	KS4	KS4	Circle geometry: angle in semi-circle: cyclic quadrilateral.
Geometry	Angle	ANGLEC05T	KS4	KS4	KS4	Circle geometry: tangent: same segment: centre.
Geometry	Angle	ANGLEC06T	KS4	KS4	KS4	Circle geometry: tangent: centre: equal chords.
Geometry	Angle	ANGLEC07T	KS4	KS4	KS4	Circle geometry: intersecting tangents.
Geometry	Angle	CIRCANG4P	KS4	KS4	KS4	Circle geometry: 4 points : 4 connections: angles calculated.
Geometry	Angle	CIRCANG4P2	KS4	KS4	KS4	Circle geometry: 4 points : 6 connections: angles calculated.
Geometry	Angle	CIRCANGCC	C2	C2	C2	Circle geometry: angle at centre and circumference: angles calculated.
Geometry	Angle	CIRCANGCC2	C2	C2	C2	Circle geometry: angle at centre and circumference: angles calculated.
Geometry	Angle	CIRCANGCQ	C2	C2	C2	Circle geometry: opposite angles of cyclic quadrilateral: angles calculated.
Geometry	Angle	CIRCGQ01	KS4	KS4	KS4	Circle geometry: 4 points: intersection: input angles.
Geometry	Angle	CIRCGQ02	KS4	KS4	KS4	Circle geometry: 4 points: intersection: input angles.
Geometry	Angle	CIRCGQ10	KS4	KS4	KS4	Circle geometry: 4 points: intersection: input angles and distances.
Space	Area	ARCONE01	KS4	KS4	KS4	Surface area of cone from slant or vertical height . (Pythagoras).
Space	Area	ARCONE01	KS4	KS4	KS4	Surface area of cone from slant or vertical height . (Pythagoras).
Space	Area	ARPYR01	KS4	KS4	KS4	Surface area of pyramid given slant height.
Space	Area	ARPYR01B	KS4	KS4	KS4	Surface area of pyramid given slant height.
Space	Area	AREATR09A	C2	C2	C2	Calculate area of triangle using Hero's formula.
Space	Area	AREATR09B	C2	C2	C2	Calculate area of triangle using Hero's formula.
Space	Area under graphs	AREAG04	C2	C2	C2	Area under graphs: speed/time: trapezium rule.
Space	Area under graphs	AREAG04B	C2	C2	C2	Area under graphs: speed/time: trapezium rule.
Space	Area under graphs	AREAG05	C2	C2	C2	Area under a parabola.
Space	Area under graphs	AREAG05B	C2	C2	C2	Area under a parabola.
Space	Area under graphs	AREAG05C	C2	C2	C2	Area under a parabola.
Space	Area under graphs	AREAG05D	C2	C2	C2	Area under a parabola.
Space	Area under graphs	AREAG05E	C2	C2	C2	Area under a parabola.
Space	Area under graphs	AREAG05F	C2	C2	C2	Area under a parabola.
Space	Area under graphs	AREAG06	C2	C2	C2	Area under parabolas: model your own situation.
Space	Circles	CHORD01	C2	C2	C2	Calculating lengths of chords: interactive diagram.

Space	Circles	EQCIRCLE	C2	C1	C1	Explore equation of the circle, active graph.
Space	Circles	SECTOR03	C2	C2	C2	Calculating areas of triangles in sectors: interactive diagram.
Space	Circles	SEG01	C2	C2	C2	Calculating areas of segments: interactive diagram.
Geometry	Circles	ARCQ01	KS4	KS4	KS4	Lengths of arcs, 5 questions from data and drawings.
Geometry	Circles	ARCQ02	KS4	KS4	KS4	Lengths of arcs, 5 questions from data and drawings.
Geometry	Circles	CHORDQ01	C2	C2	C2	Lengths of chords, 5 questions from data and drawings.
Geometry	Circles	CHORDQ02	C2	C2	C2	Lengths of chords, 5 questions from data and drawings.
Geometry	Circles	SECTRIQ01	C2	C2	C2	Area of triangle in sector, 5 questions from data and drawings.
Geometry	Circles	SECTRIQ02	C2	C2	C2	Area of triangle in sector, 5 questions from data and drawings.
Geometry	Circles	SEGQ01	C2	C2	C2	Area of segment, 5 questions from data and drawings.
Geometry	Circles	SEGQ02	C2	C2	C2	Area of segment, 5 questions from data and drawings.
Geometry	Circles	CIRCL06	C2	C2	C2	Area and arcs of parts of circles.
Geometry	Circles	CIRCL06B	C2	C2	C2	Area and arcs of parts of circles.
Geometry	Circles	CIRCL07	C2	C2	C2	Area of segments of circles.
Geometry	Circles	CIRCL07B	C2	C2	C2	Area of segments of circles.
Geometry	Circles	EQCIRCLE	C2	C1	C1	Equations of circles: explore.
Geometry	Circles	EQCIRCLE2	C2	C1	C1	Equations of circles: solve.
Geometry	Circles	EQTANCIRC	C2	C2	C1	Explore tangents to points on the circumference: active diagram.
Geometry	Circles	EQTANCIRC2	C2	C2	C1	Explore gradients of tangents to points on the circumference of a circle.
Geometry	Circles	EQTANCIRC3	C2	C2	C1	Explore equations of tangents to points on the circumference of a circle.
Geometry	Circles	EQTANCIRC4	C2	C2	C1	Explore equations of tangents to points on the circumference of a circle (different).
Space	3D Coordinates	3DCOORD01	KS4	KS4	KS4	Enter coordinates of vertices of cuboid given A is at the Origin
Space	3D Coordinates	3DCOORD02	KS4	KS4	KS4	Enter coordinates of vertices of cuboid given A is at the Origin
Space	3D Coordinates	3DCOORD03	KS4	KS4	KS4	Enter coordinates of vertices of cuboid given A is at the Origin
Space	3D Coordinates	3DCOORD04	KS4	KS4	KS4	Enter coordinates of vertices of cuboid given A is at (2,2,2)
Space	3D Coordinates	3DCOORD05	KS4	KS4	KS4	Enter coordinates of vertices of cuboid given A is at (3,3,3)
Space	3D Coordinates	3DCOORD06	KS4	KS4	KS4	Enter coordinates of vertices of cuboid given A is at (1,1,1)
Space	3D Coordinates	3DCOORD07	KS4	KS4	KS4	Enter coordinates of vertices of cuboid given A is at (2,4,3)
Space	3D Coordinates	3DCOORD08	KS4	KS4	KS4	Enter coordinates of vertices of cuboid given A is at (2,3,4)
Space	3D Coordinates	3DCOORD09	KS4	KS4	KS4	Enter coordinates of vertices of cuboid given A is at (2,4,3)
Space	Matrices	MAT1	FP3	FP1	FP1	Adding matrices.
Space	Matrices	MAT1T	FP3	FP1	FP1	Subtracting matrices.
Space	Matrices	MAT2	FP3	FP1	FP1	Matrix product (1 by 2) by (2 by 2)
Space	Matrices	MAT2A	FP3	FP1	FP1	Matrix product (2 by 2) by (2 by 1)
Space	Matrices	MAT2B	FP3	FP1	FP1	Matrix product (2 by 2) by (2 by 2)
Space	Matrices	MAT2C	FP3	FP1	FP1	Matrix product (3 by 2) by (2 by 2)
Space	Matrices	MAT3D	FP3	FP1	FP1	Matrix product (2 by 2) by (2 by 2) producing identity: (inverse).
Space	Matrices	MAT3I	FP3	FP1	FP1	Effect of multiplying a 2 by 2 with the Identity matrix.
Space	Matrices	MAT3I2	FP3	FP1	FP1	Effect of multiplying a 2 by 2 by its inverse.
Space	Matrices	MAT3I3	FP3	FP1	FP1	Effect of multiplying a 2 by 2 by its inverse.
Space	Matrices	MAT3I4	FP3	FP1	FP1	Explore multiplying a 2 by 2 by its inverse: introduce determinant.
Space	Matrices	MAT5	FP3	FP1	FP1	Effect of 2 by 2 on unit square: active diagram.
Space	Matrices	MAT5C	FP3	FP1	FP1	Effect of 2 by 2 on rectangle: active diagram.
Space	Matrices	MAT5X	FP3	FP1	FP1	Effect of 2 by 2 on any quadrilateral: active diagram.
Space	Matrices	MATAD1	FP3	FP1	FP1	Adding matrices.
Space	Matrices	MATAD1B	FP3	FP1	FP1	Adding matrices.
Space	Matrices	MATINV01	FP3	FP1	FP1	Effect of 2 by 2 on parallelogram: active diagram.
Space	Matrices	MATINV02	FP3	FP1	FP1	Effect of 2 by 2 on rectangle: active diagram.
Space	Matrices	MATINV03	FP3	FP1	FP1	Effect of 2 by 2 on triangle: active diagram.
Space	Matrices	MATINV04	FP3	FP1	FP1	Effect of 2 by 2 on right angled trapezium: active diagram.
Space	Matrices	MATINV05	FP3	FP1	FP1	Effect of 2 by 2 on basic quadrilateral: active diagram.
Space	Matrices	MATINV10	FP3	FP1	FP1	Effect of 2 by 2 on any quadrilateral: active diagram.
Space	Matrices	MATP0A	FP3	FP1	FP1	Matrix product: (1 by 2) by (2 by 2).
Space	Matrices	MATP0B	FP3	FP1	FP1	Matrix product: (1 by 2) by (2 by 2).
Space	Matrices	MATP0X	FP3	FP1	FP1	Matrix product: (1 by 2) by (2 by 2):some free variables.
Space	Matrices	MATP1A	FP3	FP1	FP1	Matrix product: (2 by 2) by (2 by 1).
Space	Matrices	MATP1B	FP3	FP1	FP1	Matrix product: (2 by 2) by (2 by 1).
Space	Matrices	MATP1X	FP3	FP1	FP1	Matrix product: (2 by 2) by (2 by 1): some free variables.
Space	Matrices	MATP2A	FP3	FP1	FP1	Matrix product: (2 by 2) by (2 by 2).
Space	Matrices	MATP2B	FP3	FP1	FP1	Matrix product: (2 by 2) by (2 by 2).
Space	Matrices	MATP2X	FP3	FP1	FP1	Matrix product: (2 by 2) by (2 by 2): some free variables.
Space	Matrices	MATP3A	FP3	FP1	FP1	Matrix product: (3 by 2) by (2 by 2).
Space	Matrices	MATP3B	FP3	FP1	FP1	Matrix product: (3 by 2) by (2 by 2).
Space	Matrices	MATP3X	FP3	FP1	FP1	Matrix product: (3 by 2) by (2 by 2): some free variables.
Space	Matrices	MATSUB1	FP3	FP1	FP1	Subtracting matrices.
Space	Matrices	MATSUB1B	FP3	FP1	FP1	Subtracting matrices.
Space	Matrices	TRANSFORM1	FP3	FP1	FP1	Explore multipying by eight 2 by 2 transformation matrices.
Space	Pythagoras	PYTHAG07T	C1	C1	C1	Pythagoras: 3D problem.
Space	Pythagoras	PYTHAG08T	C1	C1	C1	Pythagoras: 3D problem.
Space	Pythagoras	PYTHAG09T	C1	C1	C1	Pythagoras: 3D problem.
Space	Pythagoras	PYTHAG10T	C1	C1	C1	Pythagoras: 3D problem.
Space	Pythagoras	PYTHAGEX3	C1	C1	C1	Pythagoras with interactive diagram. Explore algebraic relationship.
Space	Pythagoras	PYTHAGTS	C1	C1	C1	Pythagoras with interactive diagram. Explore trigonometric relationship.
Space	Pythagoras	TRIANGLES2	C1	C1	C1	Draw and identify type of triangle using Pythagoras.
Space	Vectors	VECT01	M1	M1	M1	Vectors: as directed numbers in brackets.
Space	Vectors	VECT02	M1	M1	M1	Magnitude of vectors.
Space	Vectors	VECT03	M1	M1	M1	Combining vectors.
Space	Vectors	VECT04	M1	M1	M1	Combining vectors.
Space	Vectors	VECT05	M1	M1	M1	Vectors: using mid-points.
Space	Vectors	VECT06	M1	M1	M1	Vectors: using hexagon for questions.
Space	3D Volume	AVCONE01	C1	C1	C1	Surface area and volume of cones.
Space	3D Volume	AVCONE01B	C1	C1	C1	Surface area and volume of cones.
Space	3D Volume	VOLPYR01	C1	C1	C1	Volume of square based pyramids.
Space	3D Volume	VOLPYR01B	C1	C1	C1	Volume of square based pyramids.
Space	3D Volume	VOLPYR02	C1	C1	C1	Volume and mass of square based pyramids.

Space	3D Volume	VOLPYR02B	C1	C1	C1	Volume and mass of square based pyramids.
Space	3D Volume	VOLPYR03	C1	C1	C1	Calculate height given volume and base of square based pyramids.
Space	3D Volume	VOLPYR03B	C1	C1	C1	Calculate height given volume and base of square based pyramids.
Space	3D Volume	VOLPYR04	C1	C1	C1	Volume of octahedra formed from square based pyramids.
Space	3D Volume	VOLPYR04B	C1	C1	C1	Volume of octahedra formed from square based pyramids.
Space	3D Volume	VOLPYR06	C1	C1	C1	Volume of frustum of square based pyramid.
Space	3D Rotation	ROT3D02	X	X	X	Wireframe rotation about x, y and z axes. Cube.
Space	3D Rotation	ROT3D03	X	X	X	Wireframe rotation about x, y and z axes. Cuboid.
Space	3D Rotation	ROT3D03SA	X	X	X	Wireframe rotation. Cuboid. Surface area.
Space	3D Rotation	ROT3D03V	X	X	X	Wireframe rotation. Cuboid. Volume.
Space	3D Rotation	ROT3D04	X	X	X	Wireframe rotation about x, y and z axes. Triangular Prism.
Space	3D Rotation	ROT3D04SA	X	X	X	Wireframe rotation. Triangular Prism. Surface area.
Space	3D Rotation	ROT3D04V	X	X	X	Wireframe rotation. Triangular Prism. Volume.
Space	3D Rotation	ROT3D05	X	X	X	Wireframe rotation about x, y and z axes. Trapezoidal Prism.
Space	Trigonmetry	ROT3D05A	C1	C1	C1	Wireframe rotation. Trapezoidal Prism. Angle. Trig.
Space	Trigonmetry	ROT3D05SA	C1	C1	C1	Wireframe rotation. Trapezoidal Prism. Surface area. Pythag.
Space	3D Rotation	ROT3D05V	X	X	X	Wireframe rotation. Trapezoidal Prism. Volume.
Space	3D Rotation	ROT3D06	X	X	X	Wireframe rotation about x, y and z axes. Square based pyramid.
Space	Trigonmetry	ROT3D06EL	C1	C1	C1	Wireframe rotation. Square based pyramid. Edge length. Pythag.
Space	Trigonmetry	ROT3D06SA	C1	C1	C1	Wireframe rotation. Square based pyramid. Surface area. Pythag.
Space	Trigonmetry	ROT3D06SH	C1	C1	C1	Wireframe rotation. Square based pyramid. Slant height. Pythag.
Space	Trigonmetry	ROT3D06V	C1	C1	C1	Wireframe rotation. Square based pyramid. Volume.
Space	Trigonmetry	ROT3D07	C1	C1	C1	Wireframe rotation about x, y and z axes. Truncated square based pyramid.
Space	Trigonmetry	ROT3D07A	C1	C1	C1	Wireframe rotation. Truncated square based pyramid. Angle. Trig.
Space	Trigonmetry	ROT3D07SA	C1	C1	C1	Wireframe rotation. Truncated square based pyramid. Surface area. Pythag.
Space	Trigonmetry	ROT3D07V	C1	C1	C1	Wireframe rotation. Truncated square based pyramid. Volume.
Space	3D Rotation	ROT3D08	X	X	X	Wireframe rotation. Truncated rectangular based pyramid.
Space	3D Rotation	VIEWS01	X	X	X	Wireframe rotation. Trapezoidal Prism. Front, plan and end elevations.
Space	3D Rotation	VIEWS02	X	X	X	Wireframe rotation. Truncated square based pyramid. Front, plan and end elev.
Statistics	Simplify Data	SDATA	S1	S1	S1	Total and change to %. Complete tables of values.
Statistics	Deviation	SDV1	S1	S1	S1	Variance and Standard Deviation.
Statistics	Deviation	SDV2	S1	S1	S1	Variance and Standard Deviation, alternative method.
Statistics	Standardise	SSCORE	S1	S1	S1	Standardised Scores.
Statistics	Mean	MEANW	S1	S1	S1	Weighted mean
Statistics	Box&Whisker	BOX01T	S1	S1	S1	Box and Whisker diagrams with 10 questions: Range & IQ Range.
Statistics	Box&Whisker	BOX02T	S1	S1	S1	Box and Whisker diagrams with 10 questions: Range & Skew.
Statistics	Box&Whisker	BOX03T	S1	S1	S1	Box and Whisker diagrams with 10 questions inc. outliers: Range & Skew.
Statistics	Box&Whisker	BOX04T	S1	S1	S1	Box and Whisker diagrams with 10 questions inc. outliers: Range & Skew.
Statistics	Box&Whisker	BOX05T	S1	S1	S1	Box and Whisker diagrams with 10 questions inc. outliers: Range & Skew.
Statistics	Box&Whisker	BOX06T	S1	S1	S1	Box and Whisker diagrams with 10 questions inc. outliers: Range & Skew.
Statistics	Box&Whisker	BOXMP005	S1	S1	S1	Enter 2 sets of data and box plots drawn. Open tool. Min 5.
Statistics	Box&Whisker	BOXMP005X	S1	S1	S1	Enter 2 sets of data and box plots drawn. Open tool. Min 5. Outliers.
Statistics	Box&Whisker	BOXMP010	S1	S1	S1	Enter 2 sets of data and box plots drawn. Open tool. Min 10.
Statistics	Box&Whisker	BOXMP010X	S1	S1	S1	Enter 2 sets of data and box plots drawn. Open tool. Min 10. Outliers.
Statistics	Box&Whisker	BOXMP050	S1	S1	S1	Enter 2 sets of data and box plots drawn. Open tool. Min 50.
Statistics	Box&Whisker	BOXMP050X	S1	S1	S1	Enter 2 sets of data and box plots drawn. Open tool. Min 50. Outliers.
Statistics	Box&Whisker	BOXMP100	S1	S1	S1	Enter 2 sets of data and box plots drawn. Open tool. Min 100.
Statistics	Box&Whisker	BOXMP100X	S1	S1	S1	Enter 2 sets of data and box plots drawn. Open tool. Min 100. Outliers.
Statistics	Box&Whisker	BOXMP150	S1	S1	S1	Enter 2 sets of data and box plots drawn. Open tool. Min 150.
Statistics	Box&Whisker	BOXMP150X	S1	S1	S1	Enter 2 sets of data and box plots drawn. Open tool. Min 150. Outliers.
Statistics	Box&Whisker	BOXPLOT1	S1	S1	S1	Enter data and box plot drawn and questions set. Open tool: skew.
Statistics	Box&Whisker	BOXPLOT1X	S1	S1	S1	Enter data and box plot drawn and questions set. Open tool: skew. Outliers.
Statistics	Box&Whisker	BOXPLOT2	S1	S1	S1	Enter data and box plot drawn and questions set. Open tool: IQR.
Statistics	Box&Whisker	BOXPLOT2X	S1	S1	S1	Enter data and box plot drawn and questions set. Open tool: IQR. Outliers.
Statistics	Box&Whisker	BOXPLOTMP0	S1	S1	S1	Enter data and box plot drawn.
Statistics	Box&Whisker	BOXPLOTMP0X	S1	S1	S1	Enter data and box plot drawn. Outliers.
Statistics	Box&Whisker	BOXPLOTMP1	S1	S1	S1	Enter data and box plot drawn and questions set. Open tool: IQR.
Statistics	Box&Whisker	BOXPLOTMP1X	S1	S1	S1	Enter data and box plot drawn and questions set. Open tool: IQR. Outliers.
Statistics	Box&Whisker	BOXPLOTMP2	S1	S1	S1	Enter 2 sets of data and box plots drawn to compare. Open tool. Min 0.
Statistics	Box&Whisker	BOXPLOTMP2X	S1	S1	S1	Enter 2 sets of data and box plots drawn. Open tool. Min 0. Outliers.
Statistics	Box&Whisker	BOXPLOTMP90	S1	S1	S1	Enter data and box plot drawn. Up to 90 elements of data.
Statistics	Box&Whisker	BOXPLOTMP90X	S1	S1	S1	Enter data and box plot drawn. Up to 90 elements of data.
Statistics	Box&Whisker	DATA13T	S1	S1	S1	Box and Whisker diagram
Statistics	Box&Whisker	BOX01	S1	S1	S1	Box and whisker diagrams. 10 sets of questions, data supplied.
Statistics	Box&Whisker	BOX02	S1	S1	S1	Box and whisker diagrams. 10 sets of questions, data supplied.
Statistics	Box&Whisker	BOX03	S1	S1	S1	Box and whisker diagrams. 10 sets of questions, data supplied.
Statistics	Box&Whisker	BOX04	S1	S1	S1	Box and whisker diagrams. 10 sets of questions, data supplied.
Statistics	Box&Whisker	BOX05	S1	S1	S1	Box and whisker diagrams. 10 sets of questions, data supplied.
Statistics	Box&Whisker	BOX06	S1	S1	S1	Box and whisker diagrams. 10 sets of questions, data supplied.
Statistics	Box&Whisker	BOXMP200	S1	S1	S1	Tool: Box plotter for 2 sets of up to 100 data entries: no outliers.
Statistics	Box&Whisker	BOXMP200X	S1	S1	S1	Tool: Box plotter for 2 sets of up to 100 data entries: up to 4 outliers either end.
Statistics	Box&Whisker	DATA13A	S1	S1	S1	Box and whisker diagrams.
Statistics	Box&Whisker	DATA13B	S1	S1	S1	Box and whisker diagrams.
Statistics	Deviation	SDV101A	S1	S1	S1	Calculating variance and standard deviation.
Statistics	Deviation	SDV101B	S1	S1	S1	Calculating variance and standard deviation.
Statistics	Deviation	SDV102A	S1	S1	S1	Calculating variance and standard deviation.
Statistics	Deviation	SDV102B	S1	S1	S1	Calculating variance and standard deviation.
Statistics	Deviation	SDV103A	S1	S1	S1	Calculating variance and standard deviation.
Statistics	Deviation	SDV103B	S1	S1	S1	Calculating variance and standard deviation.
Statistics	Deviation	SDV201A	S1	S1	S1	Calculating variance and standard deviation second method.
Statistics	Deviation	SDV201B	S1	S1	S1	Calculating variance and standard deviation second method.
Statistics	Deviation	SDV202A	S1	S1	S1	Calculating variance and standard deviation second method.
Statistics	Deviation	SDV202B	S1	S1	S1	Calculating variance and standard deviation second method.
Statistics	Deviation	SDV203A	S1	S1	S1	Calculating variance and standard deviation second method.
Statistics	Deviation	SDV203B	S1	S1	S1	Calculating variance and standard deviation second method.

Statistics	Deviation	SD01X	S1	S1	S1	Calculating standard deviation without the use of a calculator.
Statistics	Deviation	SD02X	S1	S1	S1	Calculating standard deviation: extend and observe.
Statistics	Distribution	NORMAL01	S1	S1	S1	Normal curve of distribution.
Statistics	Distribution	NORMAL02	S1	S1	S1	Normal curve of distribution, vary standard deviation.
Statistics	Distribution	NORMAL03	S1	S1	S1	Normal curve of distribution, vary standard deviation and mean.
Statistics	Distribution	BINOM01	S2	S2	S1	Binomial distribution. Pascal's triangle. Factorial.
Statistics	Distribution	BINOM02	S2	S2	S1	Binomial distribution. Pascal's triangle. Factorial.
Statistics	Distribution	BINOM03	S2	S2	S1	Binomial expansion with questions. Pascal's triangle. Factorial.
Statistics	Distribution	BINOM04	S2	S2	S1	Binomial expansion with questions. Pascal's triangle. Factorial.
Statistics	Histograms	HIST01	S1	S1	S1	Histograms: different widths: starting point.
Statistics	Histograms	HIST01B	S1	S1	S1	Histograms: different widths: starting point.
Statistics	Histograms	STATS10	S1	S1	S1	Histograms: different widths.
Statistics	Histograms	STATS10B	S1	S1	S1	Histograms: different widths.
Statistics	Histograms	STATS11	S1	S1	S1	Histograms: different widths.
Statistics	Histograms	STATS11B	S1	S1	S1	Histograms: different widths.
Statistics	Histograms	STATS12	S1	S1	S1	Histograms: different widths.
Statistics	Histograms	STATS12B	S1	S1	S1	Histograms: different widths.
Statistics	Spearmans	SPEARMN	S1	S1	S1	Introduction: Spearman's rank correlation coefficient.
Statistics	Spearmans	SPEARM01A	S1	S1	S1	Calculate Spearman's rank correlation coefficient.
Statistics	Spearmans	SPEARM01B	S1	S1	S1	Calculate Spearman's rank correlation coefficient.
Statistics	Spearmans	SPEARM02A	S1	S1	S1	Calculate Spearman's rank correlation coefficient.
Statistics	Spearmans	SPEARM02B	S1	S1	S1	Calculate Spearman's rank correlation coefficient.
Statistics	Spearmans	SPEARM02C	S1	S1	S1	Calculate Spearman's rank correlation coefficient.
Statistics	Spearmans	SPEARM02D	S1	S1	S1	Calculate Spearman's rank correlation coefficient.
Statistics	Spearmans	SPEARM02E	S1	S1	S1	Calculate Spearman's rank correlation coefficient.
Statistics	Spearmans	SPEARM02F	S1	S1	S1	Calculate Spearman's rank correlation coefficient.
Statistics	Spearmans	SPEARM03A	S1	S1	S1	Calculate Spearman's rank correlation coefficient.
Statistics	Spearmans	SPEARM03B	S1	S1	S1	Calculate Spearman's rank correlation coefficient.
Statistics	Spearmans	SPEARM04A	S1	S1	S1	Calculate Spearman's rank correlation coefficient.
Statistics	Spearmans	SPEARM04B	S1	S1	S1	Calculate Spearman's rank correlation coefficient.
Statistics	Data Tables	DATA17A	X	X	X	Stratified data: selection: tables.
Statistics	Data Tables	DATA17B	X	X	X	Stratified data: selection: tables.
Statistics	Data Tables	DATA18A	X	X	X	Stratified data: selection: tables.
Statistics	Data Tables	DATA18B	X	X	X	Stratified data: selection: tables.
Trigonometry	Cosine	COSANG	C2	C2	C2	Plot cosine value against angle. Active rotation and display.
Trigonometry	Sine	SINANG	C2	C2	C2	Plot sine value against angle. Active rotation and display.
Trigonometry	Tangent	TANANG	C2	C2	C2	Plot tangent value against angle. Active rotation and display.
Trigonometry	Graphs	SINGRAF	C2	C2	C2	Sine curve: transforming: three situations: two variables.
Trigonometry	Graphs	SINGRAF2	C2	C2	C2	Sine graphs: transforming: 2 variables.
Trigonometry	Graphs	SINGRAF3	C2	C2	C2	Sine graphs: transforming: 3 variables.
Trigonometry	Graphs	COSGRAF2	C2	C2	C2	Cosine graphs: transforming: 2 variables.
Trigonometry	Graphs	COSGRAF3	C2	C2	C2	Cosine graphs: transforming: 3 variables.
Trigonometry	Graphs	TANGRAF	C2	C2	C2	Trends of the tangent with 2 variables.
Trigonometry	Graphs	TANGRAF2	C2	C2	C2	Tangent graphs: transforming: 1 variable, 2 functions.
Trigonometry	Graphs	TANGRAF3	C2	C2	C2	Tangent graphs (trends): transforming: 1 variable, 3 functions.
Trigonometry	Graphs	TRIGRAPH	C2	C2	C2	Intersection of sin, cos and tan functions.
Trigonometry	Graphs	SINGRQR1	C2	C2	C2	Sin curve. Number of solutions. One variable.
Trigonometry	Graphs	SINGRQR2	C2	C2	C2	Sin curve. Number of solutions. Two variables.
Trigonometry	Graphs	COSGRQR1	C2	C2	C2	Cos curve. Number of solutions. One variable.
Trigonometry	Graphs	TANGRQR2	C2	C2	C2	Tangent. Number of solutions. Three variables.
Trigonometry	Graphs	SECGR	C3	C3	C3	Sec graph.
Trigonometry	Graphs	COSECGR	C3	C3	C3	Cosec graph.
Trigonometry	Graphs	COTANGR	C3	C3	C3	Cotan graph.
Trigonometry	Graphs	TRIGRAPH6	C3	C3	C3	Intersection of six trig functions.
Trigonometry	Graphs	TRIGRAF01	C2	C2	C2	Cosine and sine graphs: transforming: compare.
Trigonometry	Graphs	TRIGRAF02	C2	C2	C2	Cosine and sine graphs: transforming: compare.
Trigonometry	Graphs	SINDERIVGR	C3	C3	C4	Graphs of sin x and first derivative of sin x
Trigonometry	Graphs	COSDERIVGR	C3	C3	C4	Graphs of cos x and first derivative of cos x
Trigonometry	Graphs	TANDERIVGR	C3	C3	C4	Graphs of tan x and first derivative of tan x
Trigonometry	Graphs	TRIGFUNC01	C3	C3	C3	Compare graphs of up to 12 trigonometrical functions.
Trigonometry	Graphs	TRIGFUNC02	C3	C3	C3	Compare graphs of up to 12 trigonometrical functions. Scale option y axis.
Trigonometry	Graphs	TRIGFUNC02V	C3	C3	C3	Compare graphs of up to 12 trigonometrical functions. Plots values. Scale option.
Trigonometry	Graphs	TRIGFUNC03	C3	C3	C3	Compare graphs of up to 12 trig functions. Scale option y axis. Variable (nx).
Trigonometry	Polar Coordinates	POLAR00	FP1	FP3	FP2	Polar co-ordinates: explore.
Trigonometry	Polar Coordinates	POLAR01	FP1	FP3	FP2	Polar co-ordinates: convert cartesian to polar: ten questions.
Trigonometry	Polar Coordinates	POLAR02	FP1	FP3	FP2	Polar co-ordinates: convert cartesian to polar: ten questions.
Trigonometry	Problems	AREAT01	C2	C2	C2	Area of triangles using sin.
Trigonometry	Problems	AREAT01B	C2	C2	C2	Area of triangles using sin.
Trigonometry	Problems	AREAT02	C2	C2	C2	Area of triangles using Hero's formula.
Trigonometry	Problems	AREAT02B	C2	C2	C2	Area of triangles using Hero's formula.
Trigonometry	Problems	COSGRAPH	C2	C2	C2	Explore cosine curve by changing variables.
Trigonometry	Problems	COSR01	C2	C2	C2	Cosine rule: practice:
Trigonometry	Problems	COSR01B	C2	C2	C2	Cosine rule: practice:
Trigonometry	Problems	SINR01	C2	C2	C2	Sine rule: two angles and side given: find sides.
Trigonometry	Problems	SINR01B	C2	C2	C2	Sine rule: two angles and side given: find sides.
Trigonometry	Problems	SINR02	C2	C2	C2	Sine rule: two sides and angle given: find angles.
Trigonometry	Problems	SINR02B	C2	C2	C2	Sine rule: two sides and angle given: find angles.
Trigonometry	Problems	SINR03	C2	C2	C2	Sine rule: two sides and angle given: find third side.
Trigonometry	Problems	SINR03B	C2	C2	C2	Sine rule: two sides and angle given: find third side.
Trigonometry	Variable problem	ANGLE04Z01	C2	C2	C2	Using sine rule to calculate angles and sides. Compound triangles.
Trigonometry	Variable problem	COSTR01	C2	C2	C2	Draw triangle and calculate co-ordinates of third vertex. Open. Interactive diagram.
Trigonometry	Variable problem	TRIANGLES3	C2	C2	C2	Draw triangles and calculate angles to 1.d.p. by any sutable method.
Trigonometry	Problems	TRIGA01	C2	C2	C2	Ratios: review and introduction to acute and particular cases.
Trigonometry	Problems	TRIGA02	C2	C2	C2	Acute angles. Further particular cases. Table of specific values.
Trigonometry	Problems	TRIGA03	C2	C2	C2	Acute angles: combining ratios.

Trigonometry	Problems	TRIGA04	C2	C2	C2	Obtuse angles in terms of acute. Variation on sin/cos wheel as expo.
Trigonometry	Problems	TRIGA05	C2	C2	C2	Obtuse angles in terms of acute. Using the traditional wheel.
Trigonometry	Problems	TRIGQR01	C2	C2	C2	Using the quadrant rule.
Trigonometry	Problems	TRIGQR02	C2	C2	C2	Using the quadrant rule.
Trigonometry	Problems	TRIGQR03A	C2	C2	C2	Using the quadrant rule.
Trigonometry	Problems	TRIGQR03B	C2	C2	C2	Using the quadrant rule.
Trigonometry	Problems	TRIGID01	C2	C2	C2	Evaluate angles given trig functions.
Trigonometry	Problems	TRIGID02	C2	C2	C2	Evaluate angles given trig functions.
Trigonometry	Problems	TRIG3D01	C2	C2	C2	Length and angle questions, right triangular prism.
Trigonometry	Problems	TRIG3D02	C2	C2	C2	Cuboid. Angle between plane and diagonal. Set dimensions. Open.
Trigonometry	Problems	TRIG3D03	C2	C2	C2	Cuboid. Angle between planes. Set dimensions. Open.
Trigonometry	Problems	TRIG3D04	C2	C2	C2	Cuboid. Angle between skew lines. Set dimensions. Open.
Trigonometry	Problems	TRIG3D05	C2	C2	C2	Right triangular prism. Questions. Set dimensions. Open.
Trigonometry	Radian	RAD01	C2	C2	C2	What is a radian?
Trigonometry	Identity	TRIGIDEN01	C3	C3	C2	Identity using Pythagoras. $\sin^2 x + \cos^2 x = 1$
Trigonometry	Identity	TRIGIDEN02	C3	C3	C2	Identity $\tan x = \sin x / \cos x$
Trigonometry	Identity	TRIGIDEN03	C3	C3	C3	Identity $\text{cosec}^2 x - \cot^2 x = 1$
Trigonometry	Identity	TRIGIDEN04	C3	C3	C3	Identity $\sec^2 x - \tan^2 x = 1$
Trigonometry	Compound Angles	CAF01	C3	C3	C3	cos(A+B) and sin(A+B)
Trigonometry	Compound Angles	CAF02	C3	C3	C3	tan(A+B)
Trigonometry	Compound Angles	CAF02B	C3	C3	C3	tan(A+B) rescaled to view more of tangent.
Trigonometry	Double Angles	CAF03	C3	C4	C4	cos(2A) and sin(2A)
Trigonometry	Double Angles	CAF04	C3	C4	C4	tan(2A)
Trigonometry	Double Angles	CAF04B	C3	C4	C4	tan(2A) rescaled to view more of tangent.
Trigonometry	Problems	TRI15T	C2	C2	C2	3D problems.
Trigonometry	Problems	TRI16T	C2	C2	C2	3D problems.
Trigonometry	Problems	TRI17T	C2	C2	C2	3D problems.
Trigonometry	Problems	TRI18T	C2	C2	C2	3D problems.
Trigonometry	Cosine rule	COSRT1	C2	C2	C2	Cosine rule. Set angle 10 to 90 to pose questions. Interactive triangle.
Trigonometry	Cosine rule	COSRT2	C2	C2	C2	Cosine rule. Set angle 0 to 180 to pose questions. Interactive triangle.
Trigonometry	Sine rule	SINRT1	C2	C2	C2	Sine rule. Set angle 20 to 160 to pose questions. Interactive triangle.
Trigonometry	Quadrant rule	TRIGQR1	C2	C2	C2	Quadrant rule
Trigonometry	Quadrant rule	TRIGQR2	C2	C2	C2	Quadrant rule
Trigonometry	Identity	TRIGID1	C2	C2	C2	Identity using Pythagoras. $\sin^2 x + \cos^2 x = 1$
Trigonometry	Ratios	TRIGID2	C2	C2	C2	Trig ratios
Trigonometry	Ratios	TRIGID3	C2	C2	C2	Trig ratios