www.mymathscloud.com

Cambridge Vs OCR Additional Maths Topic Checklist

Order of difficulty from greatest to least: Cambridge iGCSE Additional, OCR GCSE Additional, Edexcel iGCSE Further, AQA GCSE Further

Cambridge iGCSE: 2 or 3 papers depending on the specification chosen (one paper is always non calculator)

OCR GCSE: 1 paper (calculator)

Edexcel iGCSE: 2 papers (both calculator)

AQA GCSE: 2 papers (one calculator, one non calculator)

	OCD	Cambridge
-	OCR	Cambridge
Topics	Additional	Additional
IUDICS	GCSE	iGCSE
	GC3L	IGC3L
Product Rule for Counting		
Expanding brackets and collecting like terms		
Factorising (common factor, product sum, AC method, grouping, diff of 2 squares)		
Completing the square Indices		
Surds		
Solving linear equations		
Solving quadratic equations (via factorising, quadratic formula and completing the square)		
Simultaneous equations (linear and quadratic) - 2 unknowns (algebraic and graphical		
solutions)		
Forming equations – linear and quadratic		
Forming equations – Cubic		
Solving inequalities – linear Solving inequalities - quadratic		
Graphs of linear inequalities (shading)		
Binomial expansion		
Algebraic fractions		
Re-arranging equations to make the subject		
Factor theorem		
Remainder theorem		
Polynomial division		
Solving cubics		
Recurrence relationships		
Discriminant Functions – basics		
Functions – composite and inverse		
Functions – Knowing when an inverse exists Functions – domain and range		
Function definitions – one to one, many to one etc		
Modulus – solving equalities, inequalities, graphs and $f(x)$, $ f(x) $ notation		
Sketching functions – linear, quadratic, cubic, rational		
Sketching functions – exponential		
Sketching functions – trig		
Sketching functions – piecewise		
Basic graphs (modulus and inverse trig)		
Graphing a modulus graph without being given the equation		
Exponential and log graphs		
Log rules/properties (index, multiplication, division, power and change of base) Converting an exponential to a linear form		
Solving exponentials		
Modelling – growth and decay		
Arithmetic and geometric series		
Gradients		
Midpoints		
Distance between two points		
Use ratio to find the coordinates of a point on a line given the coordinates of 2 other points		
Equation of a straight line (drawing and finding the equation)		
Parallel and perpendicular lines		
Circles (equation of a circle)		
Equation of a tangent to a circle Linear programming – forming inequalities and shading in order to optimise + applications)		
Basic differentiation of kx^n where n is any integer		
Rates of change and connected rates of change understanding		
Equations of tangents and normals		
Stationary/turning points		
Classifying maximum and minimum		
1024		

www.mymathscloud.com

Differentiation of polynomials, trig and exponentials $x^n, \frac{1}{x}$, $\sin ax$, $\cos ax$, e^{ax} Second derivative Second de		
Product and quotient rule Second derivative Basic integration Integration of polynomials, trig and exponentials x^n , $\sin ax$, $\cos ax$, e^{ax}]) Definite versus indefinite integrals Area under curve and between two curves Composite functions differentiation techniques $(f(x))^n$, $Inf(x)$, $e^{f(x)}$, $sinf(x)$ etc) Addition and subtraction of vectors Comparing components of vectors Addition and subtraction of vectors Magnitude of a vector Position vector Unit vector Unit vector Surface area and volume of prisms, cylinders, sphere, cones and pyramids (assumed) Sine and cosine rule Sine Rule - ambiguous case Area of any triangle Pythagoras and SOHCAHTOA in 2D and 3D Trig graphs Trig graphs Trig identities - $sin^2x + \cos^2x = 1$, $tan x = \frac{sin x}{con x}$ Identities and solving with $1 + tan^2x = \sec^2x$ and $1 + \cot^2x = \csc^2x$ Identities and solving with reciprocal functions: $\sec x = \frac{1}{con x}$, $cosec x = \frac{1}{tan x}$ cot $x = \frac{1}{tan x}$ Trig - special angles Given value of one trig function, find the value of another trig function Solving trig equations Radians Ar Length and Area of a sector Tree diagrams Venn diagrams Combinations	Sketching a curve based on max and min points	
Second derivative Kinematics Basic integration Integration of polynomials, trig and exponentials x^n , $\sin ax$, $\cos ax$, e^{ax}]) Definite versus indefinite integrals Area under curve and between two curves Composite functions differentiation techniques $(f(x))^n$, $lnf(x)$, $e^{f(x)}$, $sinf(x)$ etc) Composite functions integration techniques $((f(x))^n, lnf(x), e^{f(x)}, sinf(x)$ etc) Addition and subtraction of vectors Comparing components of vectors Magnitude of a vector Position vector Unit vector Surface area and volume of prisms, cylinders, sphere, cones and pyramids (assumed) Sine and cosine rule Sine Rule - ambiguous case Area of any triangle Pythagoras and SOHCAHTOA in 2D and 3D Trig graphs Trig identities - $sin^2x + \cos^2x = 1$, $tan x = \frac{\sin x}{\cos x}$ Identities and solving with $1 + tan^2x = \sec^2x$ and $1 + \cot^2x = \csc^2x$ Identities and solving with reciprocal functions: $\sec x = \frac{1}{\cos x}$, $\cot x = \frac{1}{\ln x}$ Trig - special angles Finding values of sin, cos and tan for any angle Given value of one trig function, find the value of another trig function Solving trig equations Radians Arc length and Area of a sector Tree diagrams Venn diagrams Venn diagrams Termutations Combinations	Differentiation of polynomials, trig and exponentials $x^n, \frac{1}{x}$, $\sin ax$, $\cos ax$, e^{ax})	
Kinematics Basic integration Integration of polynomials, trig and exponentials x^n , $\sin \alpha x$, $\cos \alpha x$, $e^{\alpha x}$) Definite versus indefinite integrals Area under curve and between two curves Composite functions differentiation techniques $(f(x))^n$, $f_1(x)$, $e^{f(x)}$, $af(x)$, $sinf(x)$ etc) Composite functions integration techniques $(f(x))^n$, $f_1(x)$, $e^{f(x)}$, $sinf(x)$ etc) Addition and subtraction of vectors Addition and subtraction of vectors Comparing components of vectors Magnitude of a vector Position vector Unit vector Surface area and volume of prisms, cylinders, sphere, cones and pyramids (assumed) Sine and cosine rule Sine Rule - ambiguous case Area of any triangle Pythagoras and SOHCAHTOA in 2D and 3D Trig graphs Trig identities - $sin^2 x + \cos^2 x = 1$, $tan x = \frac{sin x}{coax}$ Identities and solving with $1 + tan^2 x = \sec^2 x$ and $1 + \cot^2 x = \csc x$ Identities and solving with reciprocal functions: $\sec x = \frac{1}{coax}$, $cosec x = \frac{1}{sec x}$, $cot x = \frac{1}{tan x}$ Trig - special angles Finding values of sin, cos and tan for any angle Given value of one trig function, find the value of another trig function Solving trig equations Radians Arc length and Area of a sector Tree diagrams Venn diagrams Two-way tables Permutations Combinations	Product and quotient rule	
Basic integration of polynomials, trig and exponentials x^n , $\sin ax$, $\cos ax$, e^{ax})) Definite versus indefinite integrals Area under curve and between two curves Composite functions differentiation techniques $(f(x))^n$, $I_nf(x)$, $e^{f(x)}$, $a^{f(x)}$, $sinf(x)$ etc) Composite functions integration techniques $(f(x))^n$, $I_nf(x)$, $e^{f(x)}$, $sinf(x)$ etc) Addition and subtraction of vectors Comparing components of vectors Magnitude of a vector Position vector Unit vector Surface area and volume of prisms, cylinders, sphere, cones and pyramids (assumed) Sine and cosine rule Sine Rule - ambiguous case Area of any triangle Pythagoras and SOHCAHTOA in 2D and 3D Trig graphs Trig identities - $sin^2x + \cos^2x = 1$, $tan x = \frac{sin x}{coax}$ Identities and solving with $1 + tan^2x = \sec^2x$ and $1 + \cot^2x = cosec^2x$ Identities and solving with reciprocal functions: $\sec x = \frac{1}{coax}$, $cosec x = \frac{1}{secx}$, $cot x = \frac{1}{secx}$. Trig - special angles Finding values of sin, cos and tan for any angle Given value of one trig function, find the value of another trig function Solving trig equations Arc length and Area of a sector Tree diagrams Venn diagrams Venn diagrams Fermutations Combinations	Second derivative	
Integration of polynomials, trig and exponentials x^n , $\sin ax$, $\cos ax$, e^{ax} .) Definite versus indefinite integrals Area under curve and between two curves Composite functions differentiation techniques $(f(x))^n$, $I_nf(x)$, $e^{f(x)}$, $a^{f(x)}$, $sinf(x)$ etc.) Composite functions integration techniques $(f(x))^n$, $I_nf(x)$, $e^{f(x)}$, $sinf(x)$ etc.) Addition and subtraction of vectors Comparing components of vectors Magnitude of a vector Position vector Unit vector Surface area and volume of prisms, cylinders, sphere, cones and pyramids (assumed) Sine and cosine rule Sine Rule - ambiguous case Area of any triangle Pythagoras and SOHCAHTOA in 2D and 3D Trig graphs Trig identities $-sin^2x + \cos^2x = 1$, $\tan x = \frac{\sin x}{\cos x}$ Identities and solving with $1 + \tan^2x = \sec^2x$ and $1 + \cot^2x = \csc^2x$ Identities and solving with reciprocal functions: $\sec x = \frac{1}{\cos x}$, $\csc x = \frac{1}{\sec x}$, $\cot x = \frac{1}{\sin x}$ Trig - special angles Finding values of sin, cos and tan for any angle Given value of one trig function, find the value of another trig function Solving trig equations Radians Arc length and Area of a sector Tree diagrams Venn diagrams Two-way tables Permutations Combinations	Kinematics	
Definite versus indefinite integrals Area under curve and between two curves Composite functions differentiation techniques (f(x))*, Inf(x), ef(x), af(x), sinf(x) etc) Composite functions integration techniques ((f(x))*, inf(x), ef(x), sinf(x) etc) Addition and subtraction of vectors Comparing components of vectors Magnitude of a vector Position vector Unit vector Surface area and volume of prisms, cylinders, sphere, cones and pyramids (assumed) Sine and cosine rule Sine Rule - ambiguous case Area of any triangle Pythagoras and SOHCAHTOA in 2D and 3D Trig graphs Trig identities - sin²x + cos²x = 1, tan x = sinx / cosx x	<u> </u>	
Area under curve and between two curves Composite functions differentiation techniques $(f(x))^n$, $Inf(x)$, $e^{f(x)}$, $a^{f(x)}$, $sinf(x)$ etc) Composite functions integration techniques $(f(x))^n$, $\frac{1}{f(x)}$, $e^{f(x)}$, $sinf(x)$ etc) Addition and subtraction of vectors Comparing components of vectors Magnitude of a vector Position vector Unit vector Unit vector Surface area and volume of prisms, cylinders, sphere, cones and pyramids (assumed) Sine and cosine rule Sine Rule – ambiguous case Area of any triangle Pythagoras and SOHCAHTOA in 2D and 3D Trig graphs Trig identities $-sin^2x + cos^2x = 1$, $tan x = \frac{sin x}{cos x}$ Identities and solving with $1 + tan^2x = sec^2x$ and $1 + cot^2x = cosec^2x$ Identities and solving with reciprocal functions: $sec x = \frac{1}{cos x}$, $cosec x = \frac{1}{soc x}$, $cot x = \frac{1}{lon x}$ Trig - special angles Finding values of sin, cos and tan for any angle Given value of one trig function, find the value of another trig function Solving trig equations Arc length and Area of a sector Tree diagrams Venn diagrams Combinations	Integration of polynomials, trig and exponentials x^n , $\sin ax$, $\cos ax$, e^{ax}))	
Composite functions differentiation techniques $(f(x))^n$, $lnf(x)$, $e^{f(x)}$, $snf(x)$ etc) Composite functions integration techniques $((f(x))^n, \frac{1}{f(x)}, e^{f(x)}, sinf(x)$ etc) Addition and subtraction of vectors Comparing components of vectors Magnitude of a vector Position vector Unit vector Surface area and volume of prisms, cylinders, sphere, cones and pyramids (assumed) Sine and cosine rule Sine Rule - ambiguous case Area of any triangle Pythagoras and SOHCAHTOA in 2D and 3D Trig graphs Trig identities $-sin^2x + cos^2x = 1$, $tan x = \frac{sin x}{cos x}$ Identities and solving with $1 + tan^2x = sec^2x$ and $1 + cot^2x = cosec^2x$ Identities and solving with reciprocal functions: $sec x = \frac{1}{cos x}$, $cosec x = \frac{1}{lan x}$ Trig - special angles Finding values of sin, cos and tan for any angle Given value of one trig function, find the value of another trig function Solving trig equations Radians Arc length and Area of a sector Tree diagrams Venn diagrams Venn diagrams Combinations	Definite versus indefinite integrals	
Composite functions integration techniques ($f(x)$), $\frac{1}{f(x)}$, $e^{f(x)}$, $sinf(x)$ etc) Addition and subtraction of vectors Magnitude of a vector Magnitude of a vector Unit vector Unit vector Surface area and volume of prisms, cylinders, sphere, cones and pyramids (assumed) Sine and cosine rule Sine Rule - ambiguous case Area of any triangle Pythagoras and SOHCAHTOA in 2D and 3D Trig graphs Trig identities - $sin^2x + cos^2x = 1$, $tan x = \frac{sin x}{cos x}$ Identities and solving with $1 + tan^2x = sec^2x$ and $1 + cot^2x = cosec^2x$ Identities and solving with reciprocal functions: $sec x = \frac{1}{cos x}$, $cosec x = \frac{1}{sec x}$, $cot x = \frac{1}{tan x}$ Trig - special angles Finding values of sin, cos and tan for any angle Given value of one trig function, find the value of another trig function Solving trig equations Radians Arc length and Area of a sector Tree diagrams Venn diagrams Two-way tables Permutations Combinations		
Addition and subtraction of vectors Comparing components of vectors Magnitude of a vector Position vector Unit vector Surface area and volume of prisms, cylinders, sphere, cones and pyramids (assumed) Sine and cosine rule Sine Rule - ambiguous case Area of any triangle Pythagoras and SOHCAHTOA in 2D and 3D Trig graphs Trig identities - sin²x + cos²x = 1, tan x = sinx / cosx Identities and solving with 1 + tan²x = sec²x and 1 + cot²x = cosec²x Identities and solving with reciprocal functions: sec x = 1 / cosx / cosec x = 1 / tanx Trig - special angles Finding values of sin, cos and tan for any angle Given value of one trig function, find the value of another trig function Solving trig equations Radians Arc length and Area of a sector Tree diagrams Venn diagrams Two-way tables Permutations Combinations		
Comparing components of vectors Magnitude of a vector Position vector Unit vector Surface area and volume of prisms, cylinders, sphere, cones and pyramids (assumed) Sine and cosine rule Sine Rule - ambiguous case Area of any triangle Pythagoras and SOHCAHTOA in 2D and 3D Trig graphs Trig identities - sin²x + cos²x = 1, tan x = sinx/cosx Identities and solving with 1 + tan²x = see²x and 1 + cot²x = cosec²x Identities and solving with reciprocal functions: sec x = 1/cosx, cosec x = 1/tonx Trig - special angles Finding values of sin, cos and tan for any angle Given value of one trig function, find the value of another trig function Solving trig equations Radians Arc length and Area of a sector Tree diagrams Venn diagrams Venn diagrams Two-way tables Permutations Combinations	J(X)	
Magnitude of a vector Position vector Unit vector Unit vector Sirface area and volume of prisms, cylinders, sphere, cones and pyramids (assumed) Sine and cosine rule Sine Rule - ambiguous case Area of any triangle Pythagoras and SOHCAHTOA in 2D and 3D Trig graphs Trig identities - sin² x + cos² x = 1, tan x = sin x / cos x Identities and solving with 1 + tan² x = sec² x and 1 + cot² x = cosec² x Identities and solving with reciprocal functions: sec x = 1 / cos x, cosec x = 1 / cos x Trig - special angles Finding values of sin, cos and tan for any angle Given value of one trig function, find the value of another trig function Solving trig equations Radians Arc length and Area of a sector Tree diagrams Venn diagrams Two-way tables Permutations Combinations	Addition and subtraction of vectors	
Position vector Unit vector Surface area and volume of prisms, cylinders, sphere, cones and pyramids (assumed) Sine and cosine rule Sine Rule - ambiguous case Area of any triangle Pythagoras and SOHCAHTOA in 2D and 3D Trig graphs Trig identities - sin²x + cos²x = 1, tan x = sinx / cos x Identities and solving with 1 + tan²x = sec²x and 1 + cot²x = cosec²x Identities and solving with reciprocal functions: sec x = 1 / cos x', cosec x = 1 / sec x', cot x = 1 / tan x Trig - special angles Finding values of sin, cos and tan for any angle Given value of one trig function, find the value of another trig function Solving trig equations Radians Arc length and Area of a sector Tree diagrams Venn diagrams Two-way tables Permutations Combinations	Comparing components of vectors	
Unit vector Surface area and volume of prisms, cylinders, sphere, cones and pyramids (assumed) Sine and cosine rule Sine Rule - ambiguous case Area of any triangle Pythagoras and SOHCAHTOA in 2D and 3D Trig graphs Trig identities - $sin^2x + cos^2x = 1$, $tan x = \frac{sin x}{cos x}$ Identities and solving with $1 + tan^2x = sec^2x$ and $1 + cot^2x = cosec^2x$ Identities and solving with reciprocal functions: $sec x = \frac{1}{cos x}$, $cosec x = \frac{1}{sec x}$, $cot x = \frac{1}{tan x}$ Trig - special angles Finding values of sin, cos and tan for any angle Given value of one trig function, find the value of another trig function Solving trig equations Radians Arc length and Area of a sector Tree diagrams Venn diagrams Two-way tables Permutations Combinations	Magnitude of a vector	
Surface area and volume of prisms, cylinders, sphere, cones and pyramids (assumed) Sine and cosine rule Sine Rule - ambiguous case Area of any triangle Pythagoras and SOHCAHTOA in 2D and 3D Trig graphs Trig identities - sin²x + cos² x = 1, tan x = sinx cos x Identities and solving with 1 + tan² x = sec² x and 1 + cot² x = cosec² x Identities and solving with reciprocal functions: sec x = 1/cos x, cosec x = 1/sec x. cot x = 1/tan x Trig - special angles Finding values of sin, cos and tan for any angle Given value of one trig function, find the value of another trig function Solving trig equations Radians Arc length and Area of a sector Tree diagrams Venn diagrams Two-way tables Permutations Combinations	Position vector	
Sine and cosine rule Sine Rule - ambiguous case Area of any triangle Pythagoras and SOHCAHTOA in 2D and 3D Trig graphs Trig identities - $sin^2x + cos^2x = 1$, $tan x = \frac{sin x}{cos x}$ Identities and solving with $1 + tan^2x = sec^2x$ and $1 + cot^2x = cosec^2x$ Identities and solving with reciprocal functions: $sec x = \frac{1}{cos x}$, $cosec x = \frac{1}{tan x}$ Trig - special angles Finding values of sin, cos and tan for any angle Given value of one trig function, find the value of another trig function Solving trig equations Radians Arc length and Area of a sector Tree diagrams Venn diagrams Venn diagrams Two-way tables Permutations Combinations	Unit vector	
Sine Rule - ambiguous case Area of any triangle Pythagoras and SOHCAHTOA in 2D and 3D Trig graphs Trig identities - $sin^2x + cos^2x = 1$, $tan x = \frac{sin x}{cos x}$ Identities and solving with $1 + tan^2x = sec^2x$ and $1 + cot^2x = cosec^2x$ Identities and solving with reciprocal functions: $sec x = \frac{1}{cos x}$, $cosec x = \frac{1}{tos x}$, $cosec x = \frac{1}{tos x}$. Trig - special angles Finding values of sin, cos and tan for any angle Given value of one trig function, find the value of another trig function Solving trig equations Radians Arc length and Area of a sector Tree diagrams Venn diagrams Two-way tables Permutations Combinations	Surface area and volume of prisms, cylinders, sphere, cones and pyramids (assumed)	
Area of any triangle Pythagoras and SOHCAHTOA in 2D and 3D Trig graphs Trig identities - sin²x + cos² x = 1, tan x = sinx/cosx Identities and solving with 1 + tan² x = sec² x and 1 + cot² x = cosec² x Identities and solving with reciprocal functions: sec x = 1/cos x', cosec x = 1/tan x Trig - special angles Finding values of sin, cos and tan for any angle Given value of one trig function, find the value of another trig function Solving trig equations Radians Arc length and Area of a sector Tree diagrams Venn diagrams Venn diagrams Two-way tables Permutations Combinations	Sine and cosine rule	
Pythagoras and SOHCAHTOA in 2D and 3D Trig graphs Trig identities - sin²x + cos² x = 1, tan x = sin x / cos x Identities and solving with 1 + tan² x = sec² x and 1 + cot² x = cosec² x Identities and solving with reciprocal functions: sec x = 1 / cos x / cosec x = 1 / tan x Trig - special angles Finding values of sin, cos and tan for any angle Given value of one trig function, find the value of another trig function Solving trig equations Radians Arc length and Area of a sector Tree diagrams Venn diagrams Two-way tables Permutations Combinations	Sine Rule - ambiguous case	
Trig graphs Trig identities - sin²x + cos² x = 1, tan x = sin x / cos x Identities and solving with 1 + tan² x = sec² x and 1 + cot² x = cosec² x Identities and solving with reciprocal functions: sec x = 1 / cos x / cosec x = 1 / tan x Trig - special angles Finding values of sin, cos and tan for any angle Given value of one trig function, find the value of another trig function Solving trig equations Radians Arc length and Area of a sector Tree diagrams Venn diagrams Two-way tables Permutations Combinations	Area of any triangle	
Trig identities - $sin^2x + cos^2x = 1$, $tan x = \frac{sin x}{cos x}$ Identities and solving with $1 + tan^2x = sec^2x$ and $1 + cot^2x = cosec^2x$ Identities and solving with reciprocal functions: $sec x = \frac{1}{cos x}$, $cosec x = \frac{1}{tan x}$ Trig - special angles Finding values of sin, cos and tan for any angle Given value of one trig function, find the value of another trig function Solving trig equations Radians Arc length and Area of a sector Tree diagrams Venn diagrams Two-way tables Permutations Combinations	Pythagoras and SOHCAHTOA in 2D and 3D	
Identities and solving with $1 + \tan^2 x = \sec^2 x$ and $1 + \cot^2 x = \csc^2 x$ Identities and solving with reciprocal functions: $\sec x = \frac{1}{\cos x}$, $\csc x = \frac{1}{\tan x}$ Trig - special angles Finding values of sin, cos and tan for any angle Given value of one trig function, find the value of another trig function Solving trig equations Radians Arc length and Area of a sector Tree diagrams Venn diagrams Two-way tables Permutations Combinations		
Identities and solving with $1 + \tan^2 x = \sec^2 x$ and $1 + \cot^2 x = \csc^2 x$ Identities and solving with reciprocal functions: $\sec x = \frac{1}{\cos x}$, $\csc x = \frac{1}{\tan x}$ Trig - special angles Finding values of sin, cos and tan for any angle Given value of one trig function, find the value of another trig function Solving trig equations Radians Arc length and Area of a sector Tree diagrams Venn diagrams Venn diagrams Permutations Combinations Combinations		
Trig - special angles Finding values of sin, cos and tan for any angle Given value of one trig function, find the value of another trig function Solving trig equations Radians Arc length and Area of a sector Tree diagrams Venn diagrams Two-way tables Permutations Combinations	Identities and solving with $1 + \tan^2 x - \sec^2 x$ and $1 + \cot^2 x - \csc^2 x$	
Trig - special angles Finding values of sin, cos and tan for any angle Given value of one trig function, find the value of another trig function Solving trig equations Radians Arc length and Area of a sector Tree diagrams Venn diagrams Two-way tables Permutations Combinations	Identities and solving with reciprocal functions: $\sec x = \frac{1}{\cos x}$, $\csc x = \frac{1}{\sec x}$. $\cot x = \frac{1}{\tan x}$	
Given value of one trig function, find the value of another trig function Solving trig equations Radians Arc length and Area of a sector Tree diagrams Venn diagrams Two-way tables Permutations Combinations		
Solving trig equations Radians Arc length and Area of a sector Tree diagrams Venn diagrams Two-way tables Permutations Combinations		
Radians Arc length and Area of a sector Tree diagrams Venn diagrams Two-way tables Permutations Combinations	Given value of one trig function, find the value of another trig function	
Arc length and Area of a sector Tree diagrams Venn diagrams Two-way tables Permutations Combinations	Solving trig equations	
Tree diagrams Venn diagrams Two-way tables Permutations Combinations	Radians	
Venn diagrams Two-way tables Permutations Combinations	Arc length and Area of a sector	
Two-way tables Permutations Combinations Two-way tables Combinations Combin	Tree diagrams	
Permutations Combinations Combinations	Venn diagrams	
Combinations	Two-way tables	
	Permutations	
Iteration and change of sign to solve equations	Combinations	
	Iteration and change of sign to solve equations	
Gradients of tangents to a curve		
Using rectangles and trapezia to estimate the area under a curve (including over and under	Using rectangles and trapezia to estimate the area under a curve (including over and under	
estimate knowledge)		