



A-LEVEL (YEAR 2) KEY MATHEMATICAL VOCABULARY

Pure												
Proof	Algebraic And Partial Fractions	Functions	Sequences And Series	Binomial	Trigonometry	Parametric Equations	Differentiation	Numerical Methods	Integration	Further Integration	Vectors	Regression And Correlation
Contradict	Polynomial	Function	Sequence	Binomial	Pythagoras	Parametric	Derivative	Roots	Integral	Integral	Vector	Hypotheses
Deduction	Numerator	Mapping	Series	Expansion	Pythagorean Triple	Cartesian	Tangent	Continuous	Inverse	Definite Integral	Scalar	Significance Level
Expansion	Denominator	Domain	Finite	Theorem	Right-Angled Triangle	Convert	Normal	Function	Differential	Integrand	Column	One-Tailed Test
Infinity	Factor	Range	Infinite	Integer	Opposite	Parameter t	Turning Point	Positive	Coefficient	Limit	3D Coordinates	Two-Tailed Test
Irrational	Difference Of Two Squares	Modulus	Summation Notation	Rational	Adjacent	Identity	Stationary Point	Negative	Index	Indefinite Integral	Vertices	Test Statistic
Prime	Quadratic	Transformation	Σ (Sigma)	Power	Hypotenuse	Eliminate	Maximum	Converge	Power	Constant Of Integration	Cartesian	Null Hypothesis
Pythagoras.	Power	Composite	Periodicity	Index	Trigonometry	Substitute	Minimum	Diverge	Negative	Trapezium	i	Alternative Hypothesis
Quadratic	Index	Inverse	Convergent	Coefficient	Sine	Circle	Inflexion	Interval	Reciprocal	Substitution	j	Critical Value
Rational	Coefficient	One To One	Divergent	Validity	Cosine	Hyperbola	Parametric	Derivative	Natural Logarithm	By Parts	k	Critical Region
Root	Degree	Many To One	Natural Numbers	Modulus	Tangent	Parabola	Implicit	Tangent	$\ln X $	Area	Magnitude	Acceptance Region
Square	Squared	Mappings	Arithmetic Series	Factorial	Secant	Ellipse	Differential Equation	Chord	Coefficient	Differential Equation	Origin	P-Value
Square Number	Coefficients	F(X)	Arithmetic Progression (Ap)	Ncr	Cosecant	Domain	Rate Of Change	Iteration	Exponential	First Order	Distance	Binomial Model
Trigonometry	Improper	Fg(X)	Common Difference	Combinations	Cotangent	Modelling	Product	Newton-Raphson	Identity	Separating Variables	Direction	Correlation Coefficients
Verify	Identity	F-1X	Geometric Series	Pascal'S Triangle	Sohcahtoa		Quotient	Staircase	Sin	Initial Conditions	Angle	Product Moment Correlation Coefficient
Proof	Algebraic Fraction	Reflect	Geometric Progression (Gp)	Partial Fractions	Exact		First Derivative	Cobweb	Cos	General Solution.	Position Vector	Population Coefficient
	Partial Fraction	Translate	Common Ratio	Approximation	Symmetry		Second Derivative	Trapezium Rule.	Tan		Unit Vector	Sample
	Rational.	Stretch.	Nth Term	Converges	Periodicity		Increasing Function		Sec		Orthogonal	Inference
			Sum To N Terms	Diverges	Identity		Decreasing Function.		Cosec		Vector Addition/Subtraction.	Mean
			Sum To Infinity	Root.	Equation				Cot			Normal Distribution
			Limit.		Interval							Variance
					Quadrant							Assumed Variance
					Degree							Linear Regression
					Radian							Interpolation
					Circular Measure							Extrapolation
					Infinity							Coded Data
					Asymptote							
					Small Angles							
					Approximation							
					Identity							
					Proof.							

Statistics		Mechanics				
Probability	Normal Distribution	Moments	Forces At An Angle	Kinematics	Applications Of Forces	Further Kinematics
Sample Space	Binomial	Moment	Force	Projectile	Force	Distance
Exclusive Event	Discrete Distribution	Turning Effect	Weight	Range	Resultant	Displacement
Complementary Event	Discrete Random Variable	Sense	Tension	Vertical	Component	Speed
Discrete Random Variable	Uniform	Newton Metre (N M)	Thrust	Horizontal	Resolving	Velocity
Continuous Random Variable	Cumulative Probabilities Normal	Equilibrium	Friction	Component	Plane	Constant Acceleration
Mathematical Modelling	Mean	Reaction	Coefficient Of Friction	Acceleration	Parallel	Constant Force
Independent	Variance	Tension	μ	Gravity	Perpendicular	Variable Force
Mutually Exclusive	Continuous Distribution	Rod	Limiting	Initial Velocity	Weight	Variable Acceleration
Venn Diagram	Histogram	Uniform	Reaction	Vector	Tension	Retardation
Tree Diagram	Inflection	Non-Uniform	Resultant	Angle Of Projection	Thrust	Deceleration
Set Notation	Appropriate Probability Distribution.	Centre Of Mass	Magnitude	Position	Friction	Initial (T = 0)
Conditional Probability		Resolve	Direction	Trajectory	Air Resistance	Stationary (Speed = 0)
Two-Way Tables		Tilting	Bearing	Parabola.	Reaction	At Rest (Speed = 0)
Critiquing Assumptions.		'On The Point'	Force Diagram		Driving Force	Instantaneously
		Concurrent.	Equilibrium		Braking Force	Differentiate
			Inextensible		Force Diagram	Integrate
			Light		Equilibrium	Turning Point.
			Negligible		Inextensible	
			Particle		Light	
			Smooth		Negligible	
			Rough		Particle	
			Uniform		Rough	
			Perpendicular.		Smooth	
					Incline	
					Uniform	
					Friction	
					Coefficient Of Friction	
					Concurrent	
					Coplanar.	