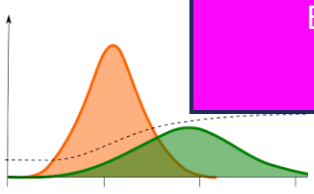
Our Maths Learning Journey

Exams



Exam Prep



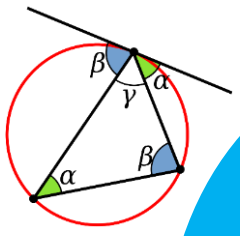
$$\lim_{x\to 1}\frac{1}{(x-1)(x^2+x+1)}=\lim_{x\to 1}\frac{A}{x-1},$$

Y13

Vectors

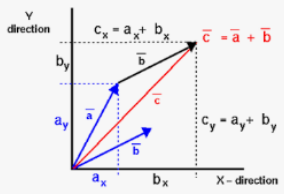
Parametric Equations and Numerical methods.

Calculus- Differentiation and Integration



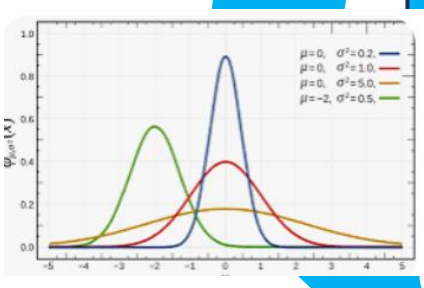
A vector quantity has both magnitude and direction.

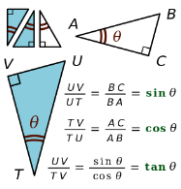
Add the vector components.



Y13

The Normal Distribution





Moments and Static rigid body

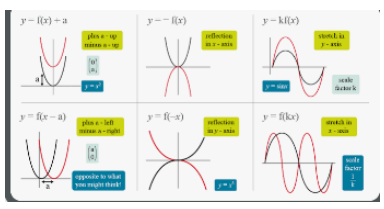
Forces Friction and inclined planes

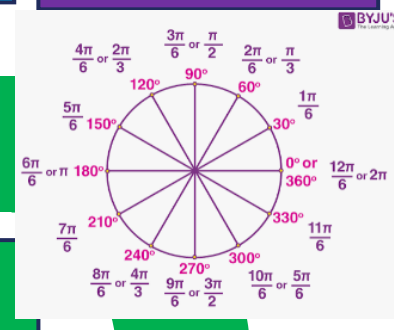
Y13

Conditional Probability

Sequences and series and Binomial Expansion

Radians, Trig Functions and Trigonometry





Functions and Graphs

.Regression, correlation and Hypothesis testing

Functions and Graphs

Y13



Exponential & Logarithms

Algebraic Methods

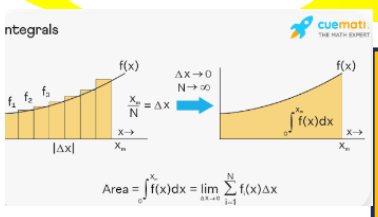
Variable Acceleration

π

Forces and Motion

Y12

Calculus



Vectors

.Modelling I Mechanics and Constant Acceleration

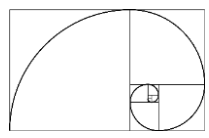
Trigonometric Ratios and Trig Identities

$y = mx + c$

$y - y_1 = m(x - x_1)$

Straight line graphs

Circles



Algebraic Methods

$(a+b)^n = \binom{n}{0}a^n b^0 + \binom{n}{1}a^{n-1}b^1 + \binom{n}{2}a^{n-2}b^2 + \ldots + \binom{n}{n}a^0 b^n$

where $\binom{n}{r} = {}^nC_r = \frac{n!}{r!(n-r)!}$

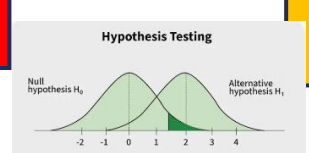
Graphs and Transformations

Correlation

Probability and Statistical Distribution

Hypothesis Testing

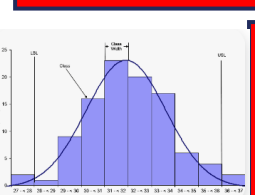
Binomial Expansion



Representing data



Y12



Data Collection& Measure of Spread

Equations & Inequalities

Quadratics

Algebraic Expressions

A Level Maths