

Subject	Maths
Unit/Topic	Year 11 – Non-linear Graphs

Key Vocabulary	Definition
Quadratic	An expression or equation where the highest power of a variable is 2 x^2
Parabola	Type of curve created by a quadratic equation
Substitute	Swap variables for numbers in an expression/equation
Estimate	Using approximations to find an answer that is <i>close enough</i>
Cubic	An expression or equation where the highest power of a variable is 3 x^3
Asymptote	A line a curve doesn't meet
Reciprocal	Numbers that have a product of 1
Gradient	Steepness of a line
y-intercept	Coordinate where line/curve crosses the y-axis
Solution	Answer to a solved equation
Growth	Rate at which population/investment increases
Decay	Rate at which population/investment decreases
Exponential	Rate of growth relative to current value (doubling, tripling etc.) e.g. 2^x or 3^x
Radius	Distance from centre of a circle to its circumference
Diameter	Distance from one side of a circumference to the other, passing through the centre
Tangent	Straight line that touches one point on circumference of a circle
Equidistant	Points that are equal distance apart

Red- Higher only