18th January

Corbettmaths
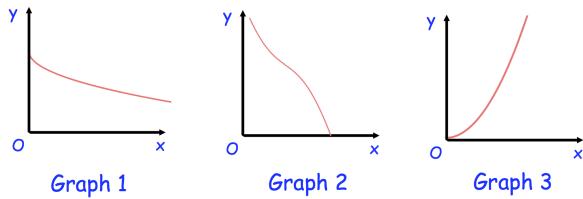
	Increasing function	Decreasing function
Graph 1	☐	☑
Graph 2	☐	☐
Graph 3	☐	☐

A curve has gradient function

$$\frac{dy}{dx} = -3x^2 + 1$$

Work out the gradient of the curve when $x = -4$

The 2 x 2 matrix **I** is the identity matrix.

Write down the 2 x 2 matrix **I**

Solve $8^{x^2+4x+3} = 16^{x^2+5x+6}$