12th September

Corbettmaths

$\frac{y-6}{y^2-2} = w$

Work out the values of y when w = 3

$f(x) = 400 - x^2$ for all values of x.

Solve $f(2x) = 150$

A $= \begin{pmatrix} 5 & -4 \\ 0 & 1 \end{pmatrix}$ **B** $= \begin{pmatrix} p & q \\ 0 & 1 \end{pmatrix}$

Given **AB = I**

Find p and q

For all positive integers, n, prove that $n^3 - n$ is always divisible by 6.