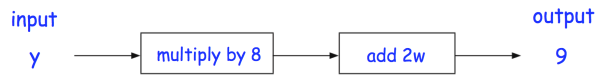


5th November

Corbettmaths

Here are two function machines, with the same input, y .



Work out the value of y

$$y = 4x^2 - 6x + 7$$

Find the value of $\frac{dy}{dx}$ when $x = 1$

Prove that the product of two consecutive even numbers is a multiple of 4.

Solve the equation

$$4x^4 - 11x^2 + 6 = 0$$