

**17th July**

Corbettmaths

The  $n$ th term of a sequence is  $\frac{6n - 3}{10n}$

Which term in the sequence is equal to 0.58?

Work out the difference between the 5th and 12th terms

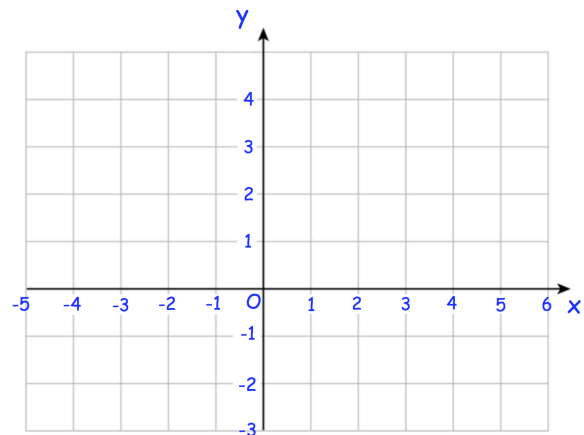
A function  $f(x)$  is defined as

$$f(x) = -x - 1 \quad -4 \leq x < 0$$

$$= x^2 - 1 \quad 0 \leq x < 2$$

$$= 9 - 3x \quad 2 \leq x \leq 4$$

Draw the graph of  $y = f(x)$



$$y = x^5 - 6x^3 + x$$

Work out  $\frac{d^2y}{dx^2}$