

**11th July**

Corbettmaths

In triangle ABC, AB = 12cm, BC = 8cm and AC = 9cm.

Find the area of triangle ABC.

Expand and simplify fully

$$(x - 8)(x + 2)(x + 3)$$

The first five terms of a sequence are shown below.

1000, 990, 970, 940, 900 ...

Work out an expression for the nth term of the sequence

$$y = \frac{3}{5}x^{20} + 3x^7 - x$$

Work out  $\frac{dy}{dx}$