

**31st December**

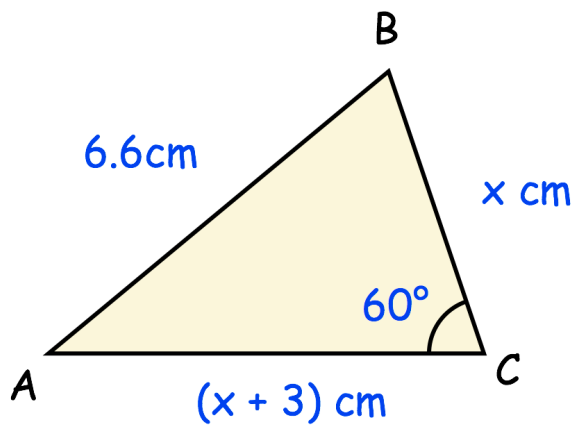
Corbettmaths

AB is a straight line

The coordinates of A are  $(-1, -7)$

The midpoint of AB is  $(6.2, 1.5)$

Work out the coordinates of B



Calculate the area of ABC.

Give your answer to 1 decimal place.

$$y = x^4 + 2x^3 - 4x^2 + x$$

Work out the value of  $\frac{d^2y}{dx^2}$  when  $x = 1$

A pizza parlour sells 12 different pizza toppings.

Grace orders a pizza with 3 different pizza toppings.

How many different pizzas can Grace order?