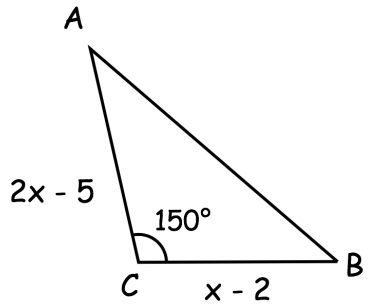
18th July **Higher Plus 5-a-day**

Corbettmaths

$$g(x) = \frac{2x - 9}{5}$$

Find

$g^{-1}(x)$



Write an expression for the area of the triangle.

Given the area of the triangle is greater than 16.5cm², show that

$2x^2 - 9x - 56 > 0$

Find the possible range of x.

Shown is a sketch of the circle with equation $x^2 + y^2 = 25$

The circle is translated 3 squares downwards.

Sketch the circle and label the coordinates where the circle crosses both the x-axis and y-axis.