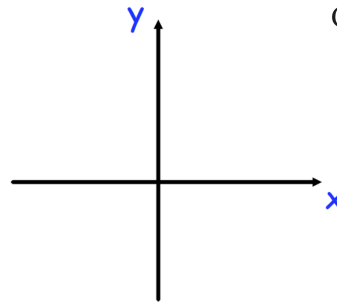


14th March

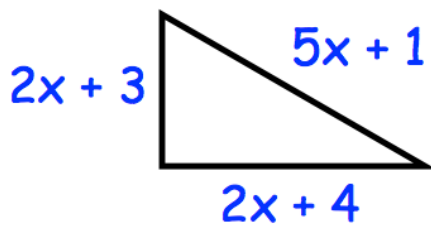
Corbettmaths

Sketch the graph of
 $y = 2x^2 + 5x + 2$

clearly show the coordinates of any points of intersection with the axes.



Below is a right angled triangle.



Find the possible values of x .

A function $f(x)$ is defined as

$$f(x) = \frac{8}{x} \quad -4 \leq x < -1$$

$$= -x^2 - 7 \quad -1 \leq x < 1$$

$$= 4x - 12 \quad 1 \leq x \leq 4$$

Draw the graph of $y = f(x)$ and state its range.

