

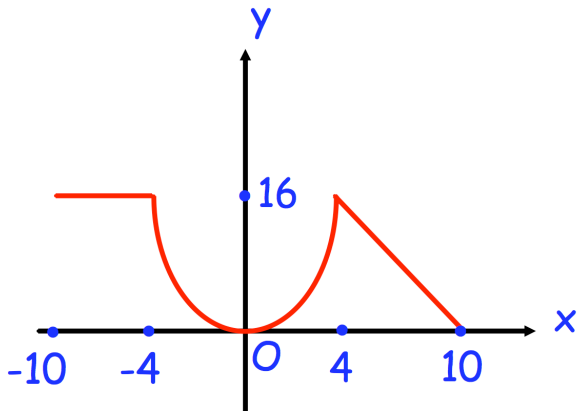
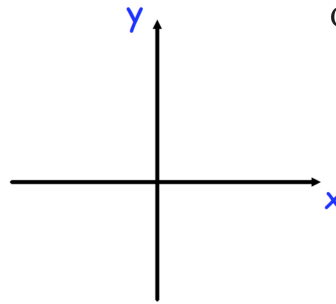
22nd May



Corbettmaths

Sketch the graph of
 $y = 12x^2 - 17x - 7$

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



The graph of $y = f(x)$ is shown above.

The graph consists of a quadratic and two straight lines.

Complete the following to describe $f(x)$

$f(x) =$	16	$-10 \leq x < -4$
	<input type="text"/>	<input type="text"/>
	<input type="text"/>	$4 \leq x \leq 10$

A curve has equation

$$y = 2x^2 - 3x + 1$$

The gradient of the curve at point P is 9

Work out the coordinates of the point P.

Describe fully the **single** transformation

represented by $\begin{pmatrix} 0 & 1 \\ -1 & 0 \end{pmatrix}$