

3rd December

Corbettmaths

$$g(x) = 3 - 2x$$

The range of $g(x)$ is $-7 \leq g(x) \leq 6$

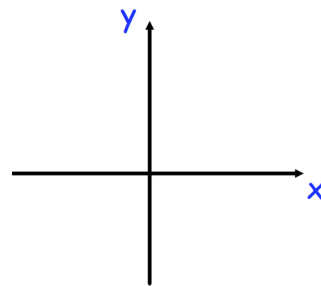
Work out the domain of $g(x)$

How many odd numbers greater than 30,000 can be created using these digits

2 3 4 5 9

using each digit only once.

Sketch the graph of $y = 8x^2 + 2x - 3$ and work out the equation of the line of symmetry of the graph.



The point A lies on the curve $y = x^2 - 2x + 4$

The x-coordinate of A is -1

The normal at A also intersects the curve at B.

Work out the coordinates of point B.