

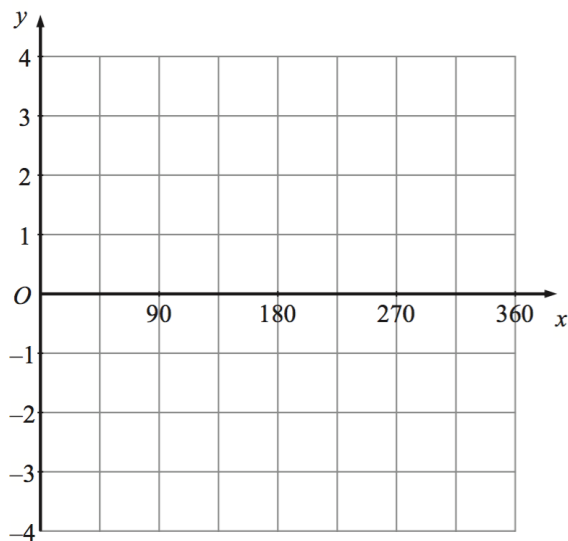
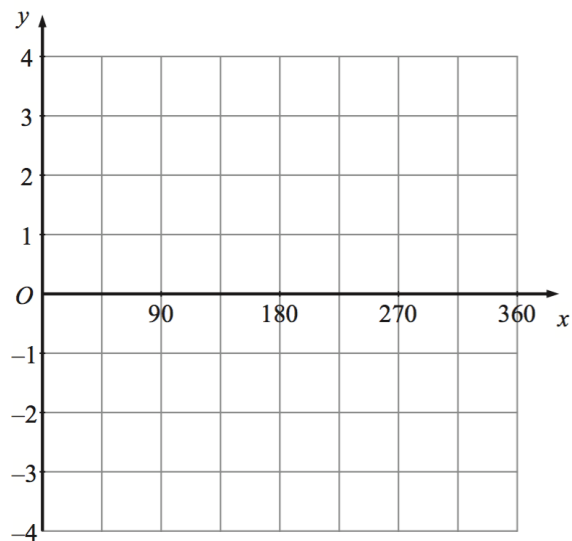
**18th July**

Corbettmaths

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

Find

$$g^{-1}(x)$$

Sketch  $y = 4\sin(x)$ Sketch  $y = 1 + \cos(x)$ 

Find the nth term of

 $-12 \quad -9 \quad -4 \quad 3 \dots$ 

Prove algebraically that

 $(4n + 1)^2 - (2n - 1)$  is an even numberfor all positive integer values of  $n$ .