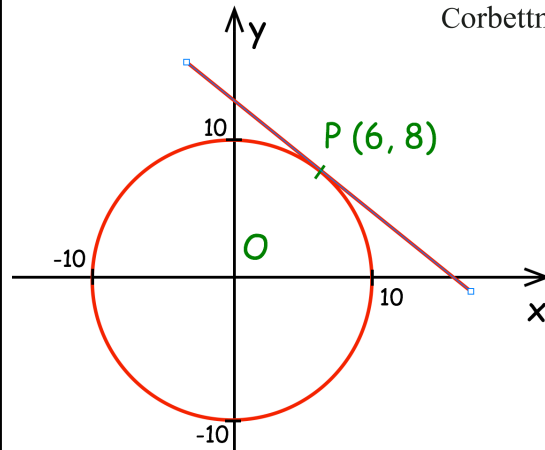


**8th July**

Corbettmaths

Here is a circle, centre O, and the tangent to the circle at the point (6, 8).

Find the equation of the tangent at the point P.



Ethan has 12 coins.  
There are three 10p coins and nine 20p coins.  
Ethan chooses 3 coins at random.

Work out the probability that he takes exactly 50p.

Solve

$$3^{4x} = 27^{5-x}$$

Find the nth term for the sequence

0 9 20 33 48