

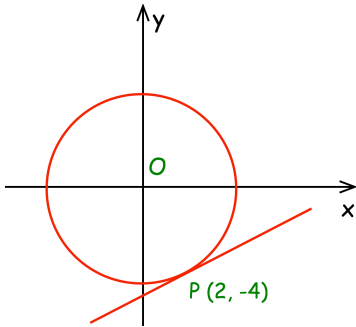
24th July



Corbettmaths

Shown is a circle, centre O.

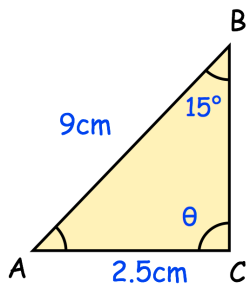
A tangent meets the circle at the point P (2, -4)



Find the equation of the tangent at the point P.

Make y the subject of

$$\frac{x - 3y}{y + x} = p$$



Find the two possible values of θ

Prove that when any odd integer is squared, the result is always one more than a multiple of 8.