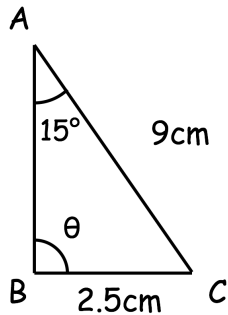




Make y the subject of

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



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.

The point $P(-5, 7)$ is a point on the circle $x^2 + y^2 = 74$

Find the equation of the tangent to the circle at P.

Find the coordinates of the point of intersection of this tangent and the line $y = x$