

29th July

Corbettmaths

Factorise $2x^2 + 7x - 15$

Hence solve

$$2(y - 3)^2 + 7(y - 3) - 15 = 0$$

A circle has centre $(-1, 7)$ has circumference 16π

Work out the equation of the circle.

A curve has equation

$$y = x^2 + 4x - 5$$

Work out the equation of the normal to the curve $y = x^2 + 4x - 5$ at the point $(2, 7)$