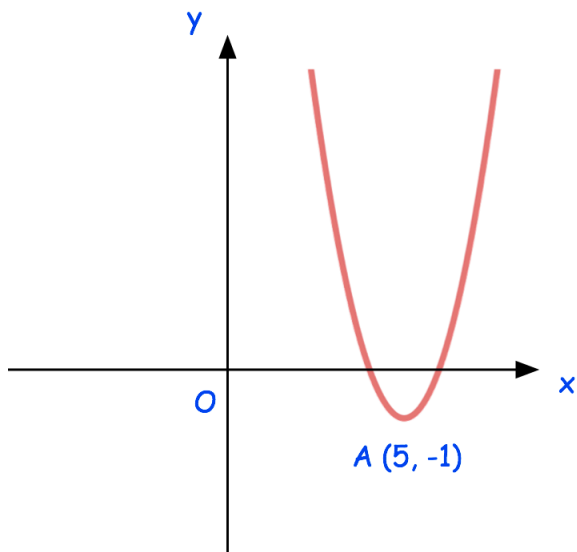


12th November



Corbettmaths



Write down the equation of the tangent at the point A

Write down the equation of the normal at the point A

$$y = \frac{9x^2 - 2x^4}{3x}$$

Work out the possible values of x when

$$\frac{dy}{dx} = -389$$

$$g(x) = 8 - \frac{1 - 2x}{7}$$

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

Circle 1 has an equation of $(x - 8)^2 + (y + 1)^2 = 49$

Circle 2 has an equation of $(x + 1)^2 + (y + 3)^2 = 144$

Calculate the distance between the centres of Circle 1 and Circle 2