

8th January

Corbettmaths

$$y = 6x^4 + x - 4$$

Work out $\frac{dy}{dx}$ Circle 1 has an equation of
 $(x - 1)^2 + (y - 4)^2 = 16$ Circle 2 has an equation of
 $(x + 5)^2 + (y - 9)^2 = 100$ Calculate the distance between the
centres of Circle 1 and Circle 2

Solve the simultaneous equations

$$y = x - 2$$

$$2x^2 - xy = 11$$

Given $\tan\theta = \frac{3}{2}$ and θ is reflexWork out the value of $\sin\theta$