Name: _____ 5-a-day Further Maths

10th April

Corbettmaths

Solve the simultaneous equations

$$3x + 11y = 100$$
$$6x + 28 = 2y$$

$y = 3x^5 - 2x - 1$

Work out $\frac{dy}{dx}$

Circle 1 has an equation of
$(x - 6)^2 + (y - 1)^2 = 9$

Circle 2 has an equation of
$(x + 3)^2 + (y - 7)^2 = 144$

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

Sketch $y = tan x$ with $-180° \leq x \leq 180°$