

**26th January**

Corbettmaths

Factorise  $6x^2 + 13x + 6$ A circle has equation  
 $(x - 9)^2 + (y + 4)^2 = 36$ Write down the equations of three  
tangents to the circle.

$$y = \frac{x^8}{2} + \frac{x^6}{3}$$

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

Simplify your answer

Solve  $5\sin x = 6\cos x$   
for  $0^\circ \leq x \leq 360^\circ$