

**14th June**

Corbettmaths

Write

$$\frac{5}{8x} + \frac{9}{16y}$$

as a single fraction in its simplest form.

Given that  $y = 5x - x^2$ Work out the coordinates of the point at which the gradient of the curve is  $-7$ 

Find the nth term

7 8 11 16 ... ..

The line  $L_1$  has equation  $2x + 3y = 32$ The line  $L_2$  passes through the origin and is perpendicular to  $L_1$ The lines  $L_1$  and  $L_2$  intersect at the point A.The line  $L_1$  crosses the y-axis at the point C.

Find the area of triangle OAC.