Name: _____ 5-a-day Further Maths

15th September

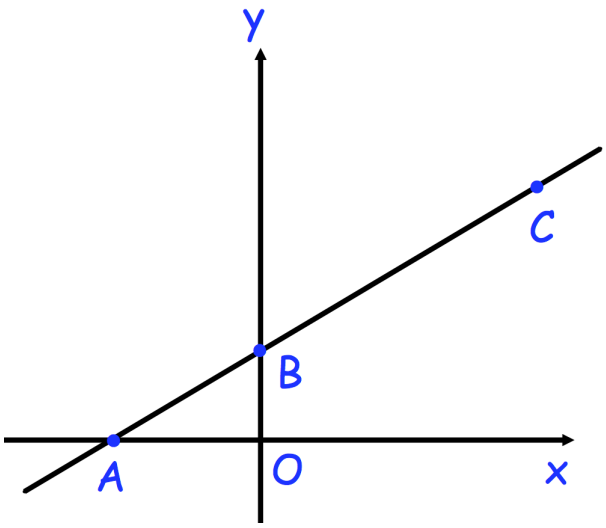
Corbettmaths

A circle, centre (5, –7) has circumference 64π

Work out the equation of the circle.

Find the first 3 terms, in ascending powers of x, of the expansion of $(4 + 3x)^5$

A, B and C are points on the line $5x - 3y + 12 = 0$



AB : BC = 2 : 7

Work out the area of triangle OBC.

Solve

$sin^2 x = \frac{1}{9}$ for $0° \leq x \leq 360°$