

21st March

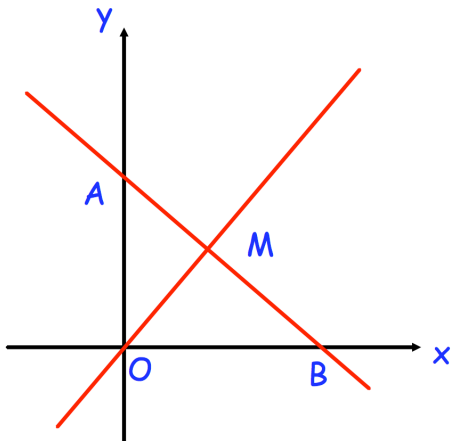
Corbettmaths

A circle has a radius of 12

The centre of the circle is $(-7, -2)$

Write down the equation of the circle.

Prove that the sum of three consecutive even numbers is always a multiple of 6



Find the equation of line l_2

The line l_1 passes through the points A and B. It has equation $2x + 5y = 18$.

The line l_2 is perpendicular to l_1 and passes through the origin, O, and M.

Find the area of triangle OAM.

Solve $\frac{8^{5-3x}}{16^{x+1}} = 32$