

7th Jan



Corbettmaths

Solve the simultaneous equations

$$x^2 + y^2 = 9$$

$$y = x + 3$$

Find the coordinates where
 $y = 2x^2 - 7x + 3$ crosses each axis.

The 5th term of an arithmetic
sequence is -12

The 18th term is -64.

Find a and d.

Given that

$$125^x = 25^{x+5}$$

Find x

Calculate

$$\sum_{r=11}^{30} 5r + 3$$