

10th July

Corbettmaths

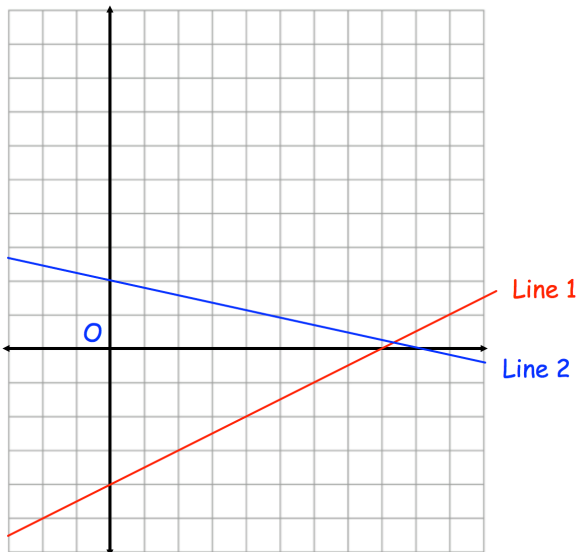
Factorise fully

$$7x^2 - 28$$

Yasmin creates a 6 digit passcode for her phone such that all the digits are prime numbers.

Jack tries to guess the passcode.

What is the probability he guesses correctly?



Find the equation of Line 2

Are the lines perpendicular?

Line 1 has equation $y = \frac{3}{2}x - 24$

The first 4 terms of a sequence are:
500, 490, 475, 455 ...

Which term is the first to be negative?