

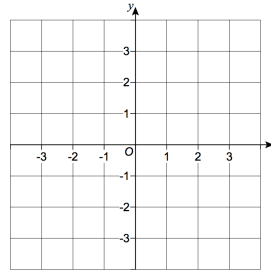
16th February

Corbettmaths

The cosine rule is
 $a^2 = b^2 + c^2 - 2bc \cos A$.

Make $\cos A$ the subject.

Sketch $x^2 + y^2 = 2.25$



Solve the inequality

$$x^2 + 3x \leq 10$$

A bag contains 7 red sweets and 5 green sweets.

Kelly removes 3 sweets, one at a time, without replacement.

Find the probability that she does not choose 3 sweets that are the same colour.

Use the iteration

$$x_{n+1} = 7 - \frac{1}{x_n}$$

to find an approximation solution to
 $x^2 - 7x + 1 = 0$

Start with

$$x_1 = 1$$