



Find the area of ABCD

Find the length of BC

Solve

$$3x^2 - 3 > 4x + 1$$

James has two bags of counters. Each bag has the same number of counters,  $x$ .

In bag 1, there are 4 red counters and the rest are blue.

In bag 2, there are 5 red counters and the rest are blue.

James picks a counter at random from bag 1, he notes its colour and then places it into bag 2.

He then picks a counter at random from bag 2.

The probability of choosing a red counter from both bags is  $\frac{12}{325}$

Work out the total number of blue counters in the two bags