

**11th March**

Corbettmaths

Which equation has solutions which are rational?

$$\frac{4y^2}{6} = 10$$

$$\frac{4y^2}{8} = 11$$

$$\frac{4y^2}{3} = 12$$

Write down the gradient of a line that is perpendicular to the line  $y = 2x$

Write down the equation of a line perpendicular to  $y = 2x$

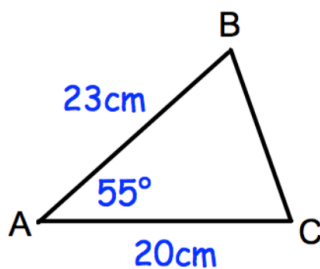
A is inversely proportional to the square of B.

When  $A = 10$ ,  $B = 4$ .

Find A when  $B = 10$

Simplify

$$\frac{x^2 + 8x + 15}{x^2 - x - 12}$$



Find the length of BC