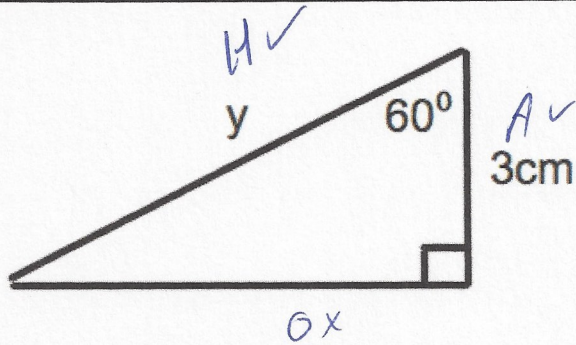


6th June



Corbettmaths

Calculate length y

C A M

$$y = \frac{3}{\cos 60}$$

$$y = 6\text{cm}$$

$$7\frac{1}{2} \div 2\frac{3}{5}$$

$$\frac{15}{2} \div \frac{13}{5} \quad \frac{15}{2} \times \frac{5}{13} =$$

$$\frac{75}{26} \quad 2\frac{23}{26}$$

Solve

$$x^2 + 5x - 24 = 0$$

$$(x+8)(x-3) = 0$$

$$x = -8 \text{ or } x = 3$$

Solve the simultaneous equations

$$\begin{aligned} x + y &= 1 \\ 2x - y &= 11 \end{aligned}$$

$$\begin{aligned} 3x &= 12 \\ x &= 4 \end{aligned}$$

$$\begin{aligned} 4 + y &= 1 \\ y &= -3 \end{aligned}$$

$$x = 4 \text{ and } y = -3$$

Factorise

$$y^2 - 9$$

$$(y-3)(y+3)$$