

19th February



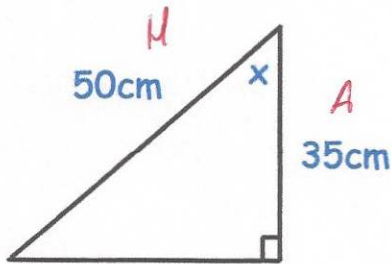
CorbettmOths

$$4\frac{1}{4} + 2\frac{3}{7}$$

$$\frac{17}{4} + \frac{17}{7}$$

$$\frac{119}{28} + \frac{68}{28} = \frac{187}{28}$$

$$6\frac{19}{28}$$



Calculate angle x

$$\cos x = \frac{35}{50}$$

$$x = \cos^{-1} \frac{35}{50}$$

$$= 45.573^\circ$$

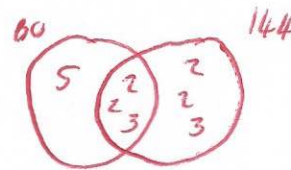
Write 144 as a product of primes.

$$\begin{array}{c}
 \wedge \\
 12 \quad 12 \\
 \wedge \quad \wedge \\
 (2)6 \quad (2)6 \\
 \wedge \quad \wedge \quad \wedge \quad \wedge \\
 (2)(3) \quad (2)(3)
 \end{array}
 \quad 2 \times 2 \times 2 \times 2 \times 3 \times 3$$

$$2^4 \times 3^2$$

Find the HCF of 60 and 144.

$$60 = 2 \times 2 \times 3 \times 5$$



$$\text{HCF} = 2 \times 2 \times 3$$

$$= 12$$

Calculate the pressure if the area is 5cm^2 and the force is 40N

$$P = \frac{F}{A} = \frac{40}{5} = 8\text{N/cm}^2$$

Draw an arrow to represent the vector

$$\begin{pmatrix} 4 \\ -3 \end{pmatrix}$$

