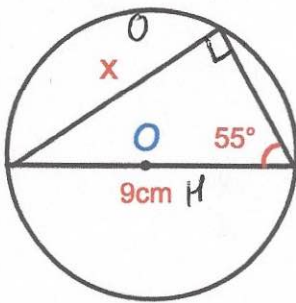


25th December



Corbettmaths

 $5^{\circ}H$

Find x

$$\begin{aligned} \sin(55) \times 9 \\ = 7.372... \text{ cm} \end{aligned}$$

Solve

$$3y^2 + 4y - 15 = 0$$

$$(3y - 5)(y + 3) = 0$$

$$y = -3 \quad \text{or} \quad y = \frac{5}{3}$$

Make x the subject

$$y(x - 8) = x + 7$$

$$xy - 8y = x + 7$$

$$xy - x = 7 + 8y$$

$$y = \frac{x + 7}{x - 8}$$

$$x(y - 1) = 7 + 8y \quad x = \frac{7 + 8y}{y - 1}$$

Evaluate $25^0 + 25^{\frac{1}{2}}$

$$1 + 5 = 6$$

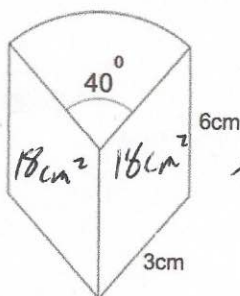
Calculate the surface area of the prism.

$$\text{Curved face: } \frac{1}{9}(\pi \times 6) \times 6$$

$$= 12.5663...$$

$$18 + 18 + 12.5663... + 3.1415... + 3.1415...$$

$$= 54.8495... \text{ cm}^2$$



$$\frac{40}{360} = \frac{1}{9}$$

$$\frac{1}{9}(\pi \times 3^2) = 3.1415...$$

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top & bottom