

Finding Side Length using Trigonometry Worksheet

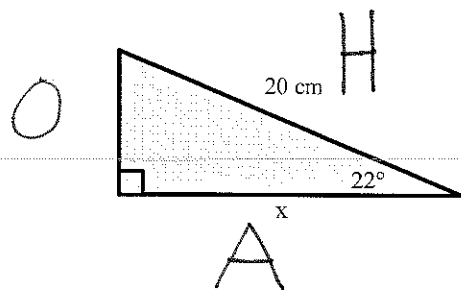
Name: _____

1.

a) Label the sides as O, A and H for the angle shown

b) $\frac{\text{COS}}{\text{sin, cos or tan}} 22^\circ = \frac{x}{20}$

c) $x = 18.54 \text{ cm}$

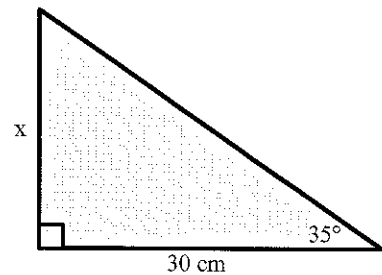


2.

a) Label the sides as O, A and H for the angle shown

b) $\frac{\text{sin, cos or tan}}{\text{sin, cos or tan}} 35^\circ = \text{_____}$

c) $x = \text{_____}$

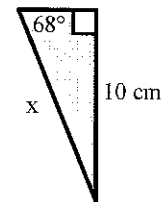


3.

a) Label the sides as O, A and H for the angle shown

b) $\frac{\text{sin, cos or tan}}{\text{sin, cos or tan}} 68^\circ = \text{_____}$

c) $x = \text{_____}$

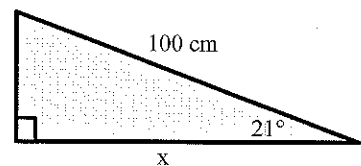


4.

a) Label the sides as O, A and H for the angle shown

b) $\frac{\text{sin, cos or tan}}{\text{sin, cos or tan}} 21^\circ = \text{_____}$

c) $x = \text{_____}$

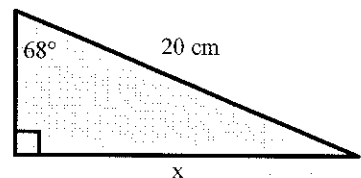


5.

a) Label the sides as O, A and H for the angle shown

b) $\frac{\text{sin, cos or tan}}{\text{sin, cos or tan}} 68^\circ = \text{_____}$

c) $x = \text{_____}$

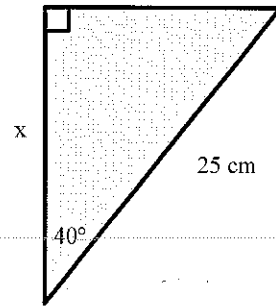


6.

a) Label the sides as O, A and H for the angle shown

b) $\frac{\quad}{\text{sin, cos or tan}} 40^\circ = \quad$

c) $x = \quad$

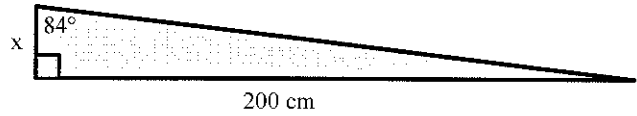


7.

a) Label the sides as O, A and H for the angle shown

b) $\frac{\quad}{\text{sin, cos or tan}} 84^\circ = \quad$

c) $x = \quad$

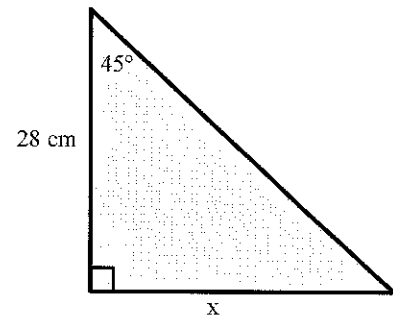


8.

a) Label the sides as O, A and H for the angle shown

b) $\frac{\quad}{\text{sin, cos or tan}} 45^\circ = \quad$

c) $x = \quad$

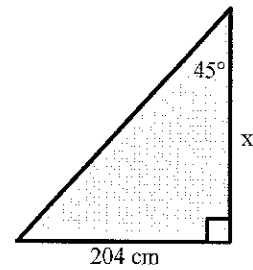


9.

a) Label the sides as O, A and H for the angle shown

b) $\frac{\quad}{\text{sin, cos or tan}} 45^\circ = \quad$

c) $x = \quad$



10.

a) Label the sides as O, A and H for the angle shown

b) $\frac{\quad}{\text{sin, cos or tan}} 28^\circ = \quad$

c) $x = \quad$

