

Finding Angles using Trigonometry Worksheet

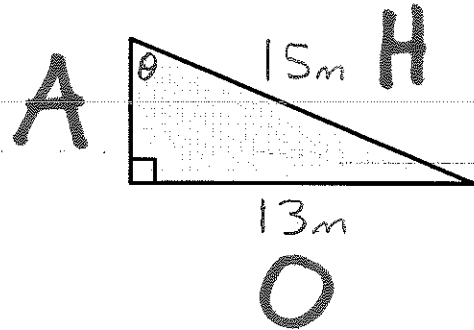
Name: _____

round to nearest degree

1.
a) Label the sides as O, A and H for angle θ

b) $\sin \theta = \frac{13}{15}$
sin, cos or tan

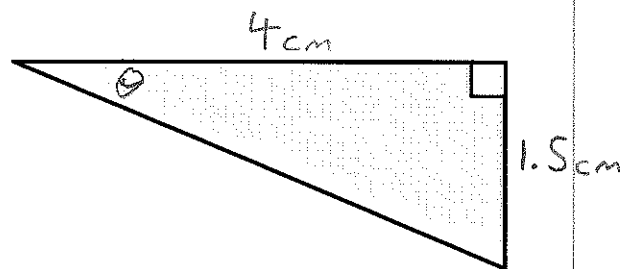
c) $\theta = 60^\circ$



2.
a) Label the sides as O, A and H for angle θ

b) _____ $\theta =$ _____
sin, cos or tan

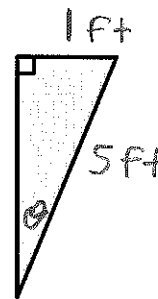
c) $\theta =$ _____ $^\circ$



3.
a) Label the sides as O, A and H for angle θ

b) _____ $\theta =$ _____
sin, cos or tan

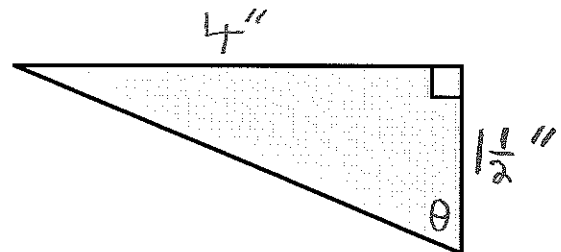
c) $\theta =$ _____ $^\circ$



4.
a) Label the sides as O, A and H for angle θ

b) _____ $\theta =$ _____
sin, cos or tan

c) $\theta =$ _____ $^\circ$



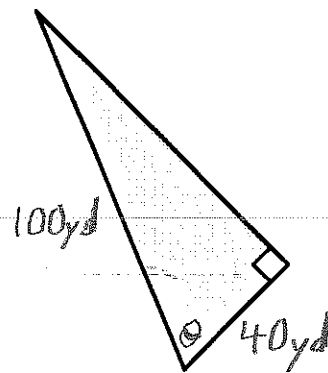
$\sin = \frac{O}{H}$ $\cos = \frac{A}{H}$ $\tan = \frac{O}{A}$

5.

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

b) $\frac{\text{sin, cos or tan}}{\text{sin, cos or tan}} \theta = \text{_____}$

c) $\theta = \text{_____}^\circ$

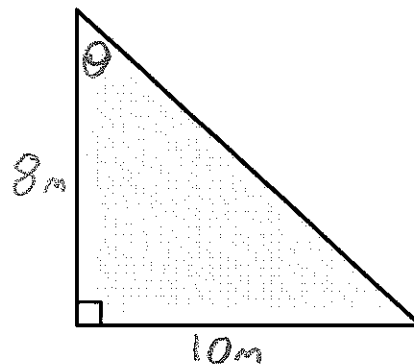


6.

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

b) $\frac{\text{sin, cos or tan}}{\text{sin, cos or tan}} \theta = \text{_____}$

c) $\theta = \text{_____}^\circ$

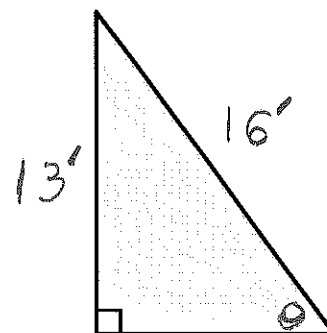


7.

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

b) $\frac{\text{sin, cos or tan}}{\text{sin, cos or tan}} \theta = \text{_____}$

c) $\theta = \text{_____}^\circ$

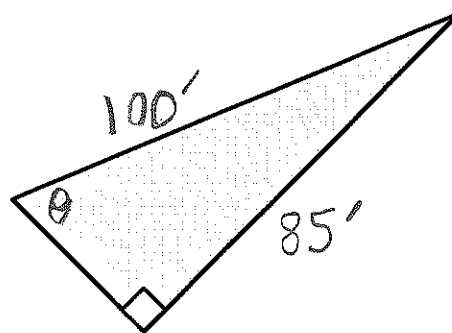


8.

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

b) $\frac{\text{sin, cos or tan}}{\text{sin, cos or tan}} \theta = \text{_____}$

c) $\theta = \text{_____}^\circ$



$$\sin = \frac{O}{H} \quad \cos = \frac{A}{H} \quad \tan = \frac{O}{A}$$