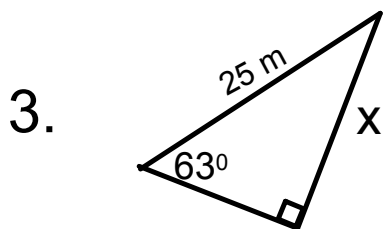
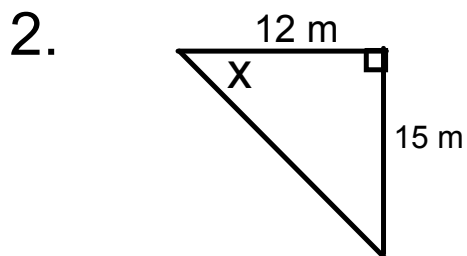
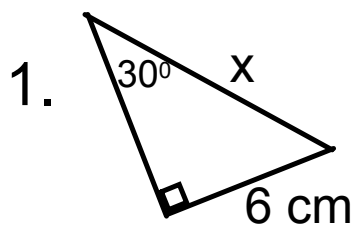


Warm Up

Nov 12

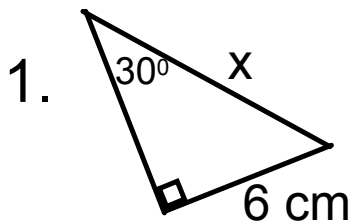
Solve for x



Warm Up

Nov 12

Solve for x



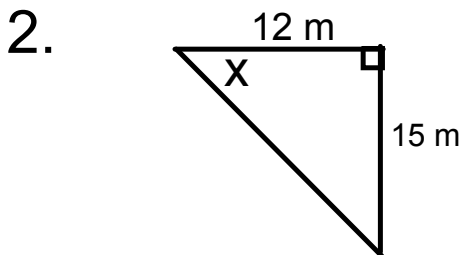
$$\sin \theta = \frac{\text{opp}}{\text{hyp}}$$

$$\sin 30^\circ = \frac{6}{x}$$

$$x \sin 30^\circ = 6$$

$$x = \frac{6}{\sin 30^\circ}$$

$$= 12 \text{ cm}$$

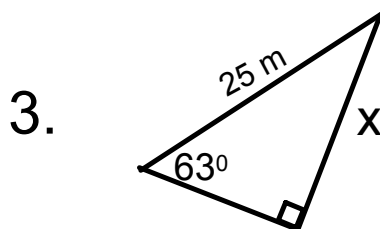


$$\tan \theta = \frac{\text{opp}}{\text{adj}}$$

$$\tan x = \frac{15}{12}$$

$$x = \tan^{-1}\left(\frac{15}{12}\right)$$

$$= 51^\circ$$



$$\sin \theta = \frac{\text{opp}}{\text{hyp}}$$

$$\sin 63^\circ = \frac{x}{25}$$

$$x = 25 \sin 63^\circ$$

$$= 22.28 \text{ m}$$

Homework

Worksheet

Identifying trigonometric ratios from a diagram

Worksheet

section 8.1 #3