



$$\sin 25^\circ = \frac{x}{12.5}$$

$$x = 12.5 \times \sin 25^\circ$$

$$x = 5.3 \text{ cm}$$



$$\cos 36^\circ = \frac{x}{7.8}$$

$$x = 7.8 \times \cos 36^\circ$$

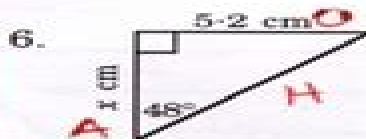
$$x = 6.3 \text{ cm}$$



$$\tan 68^\circ = \frac{x}{5.3}$$

$$x = 5.3 \times \tan 68^\circ$$

$$x = 13.1 \text{ cm}$$



$$\tan 48^\circ = \frac{5.2}{x}$$

$$x = \frac{5.2}{\tan 48^\circ}$$

$$x = 4.7 \text{ cm}$$



$$\cos 30^\circ = \frac{x}{16.3}$$

$$x = 16.3 \times \cos 30^\circ$$

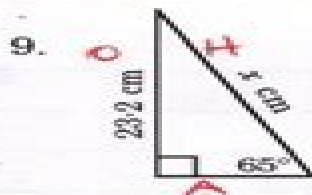
$$x = 14.1 \text{ cm}$$



$$\sin 63^\circ = \frac{25.6}{x}$$

$$x = \frac{25.6}{\sin 63^\circ}$$

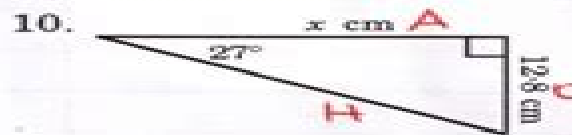
$$x = 28.7 \text{ cm}$$



$$\sin 65^\circ = \frac{23.2}{x}$$

$$x = \frac{23.2}{\sin 65^\circ}$$

$$x = 25.6 \text{ cm}$$



$$\tan 27^\circ = \frac{12.8}{x}$$

$$x = \frac{12.8}{\tan 27^\circ}$$

$$x = 25.1 \text{ cm}$$



$$\cos 58^\circ = \frac{7.3}{x}$$

$$x = \frac{7.3}{\cos 58^\circ}$$

$$x = 13.8 \text{ cm}$$

Problem Solving Trigonometric Ratios Lesson 8 2

Answers

RJ Shavelson



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