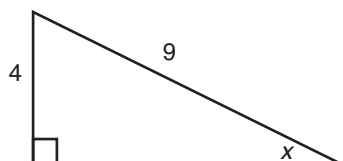


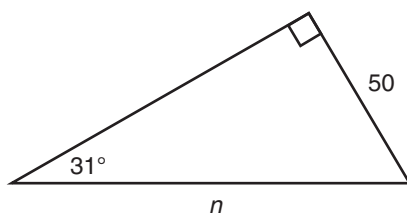


Practice Run

1. Determine the value of x .

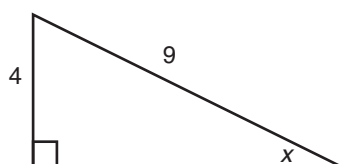


2. Determine the value of n .



Compare your answers.

1. Determine the value of x .



$$\sin x = \frac{\text{side opposite } x}{\text{hypotenuse}}$$

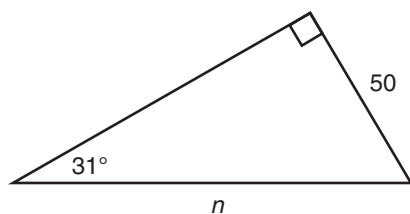
$$\sin x = \frac{4}{9}$$

$$x = \sin^{-1}\left(\frac{4}{9}\right)$$

$$x = 26.38\dots^\circ$$

$$x \doteq 26.4^\circ$$

2. Determine the value of n .



$$\sin x = \frac{\text{side opposite } x}{\text{hypotenuse}}$$

$$\sin 31^\circ = \frac{50}{n}$$

$$0.515... = \frac{50}{n}$$

$$n \cdot 0.515... = \frac{50}{\cancel{n}} \cdot \cancel{n}$$

$$(0.515...)n = 50$$

$$n = \frac{50}{0.515...}$$

$$n = 97.08...$$

$$n \doteq 97.1$$