

## 3-1 Pythagorean Theorem

Simplify.

1)  $\sqrt{36}$

2)  $\sqrt{28}$

3)  $\sqrt{1000}$

4)  $\sqrt{16}$

5)  $\sqrt{64}$

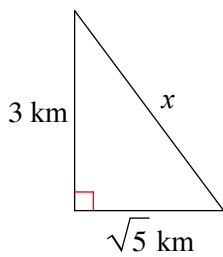
6)  $\sqrt{700}$

7)  $\sqrt{245}$

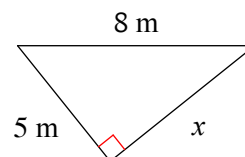
8)  $\sqrt{294}$

Find the missing side of each triangle. State your answer in simplest radical form.

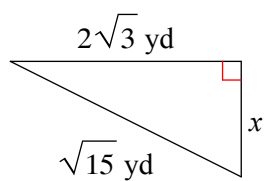
9)



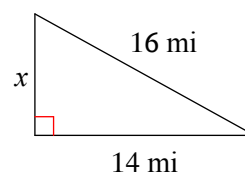
10)



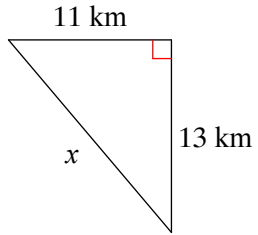
11)



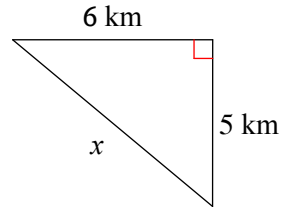
12)



13)



14)



15)  $a = \sqrt{5}$  km,  $b = 2$  km

16)  $a = 9$  km,  $c = 13$  km

17)  $a = 8$  in,  $b = 8$  in

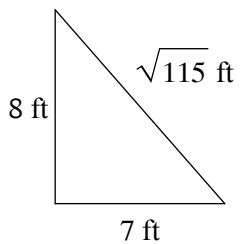
18)  $a = 6$  cm,  $c = 14$  cm

19)  $a = 4$  m,  $b = \sqrt{82}$  m

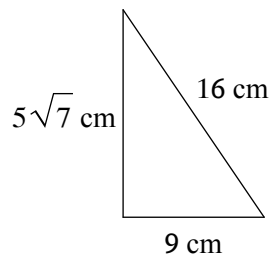
20)  $b = 9$  ft,  $c = 12$  ft

State if each triangle is a right triangle.

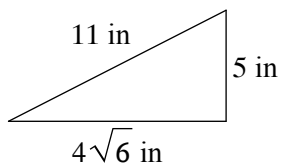
21)



22)



23)



24)

