

9-1 Pythagorean Theorem

Simplify.

1) $\sqrt{36}$

2) $\sqrt{28}$

3) $\sqrt{1000}$

4) $\sqrt{16}$

5) $\sqrt{64}$

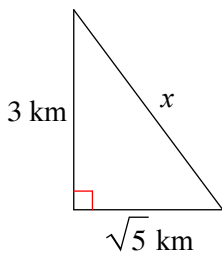
6) $\sqrt{700}$

7) $\sqrt{245}$

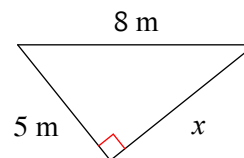
8) $\sqrt{294}$

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

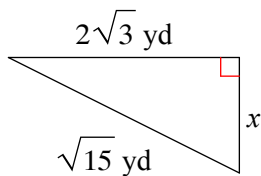
9)



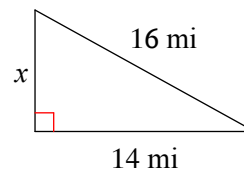
10)



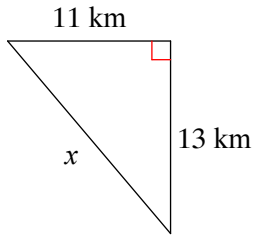
11)



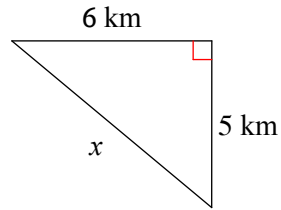
12)



13)



14)



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

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

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

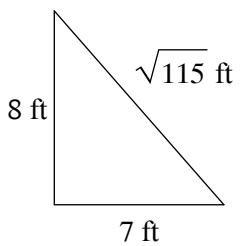
18) $a = 6$ cm, $c = 14$ cm

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

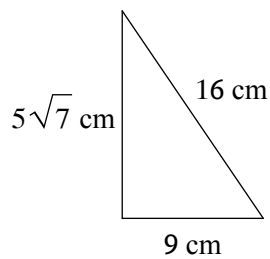
20) $b = 9$ ft, $c = 12$ ft

State if each triangle is a right triangle.

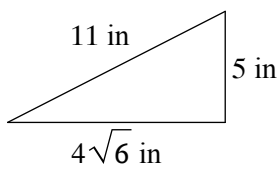
21)



22)



23)



24)

