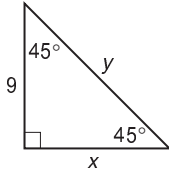


Skills Practice

45°-45°-90° Triangles

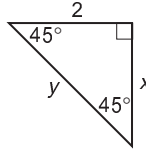
Find the missing measures. Write all radicals in simplest form.

1.



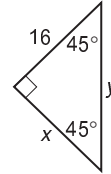
$$x = 9, y = 9\sqrt{2}$$

2.



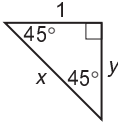
$$x = 2, y = 2\sqrt{2}$$

3.



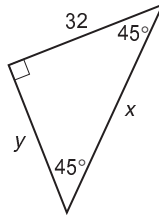
$$x = 16, y = 16\sqrt{2}$$

4.



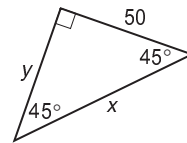
$$x = \sqrt{2}, y = 1$$

5.



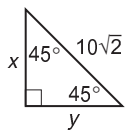
$$x = 32\sqrt{2}, y = 32$$

6.



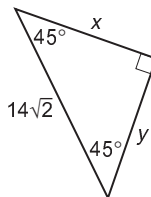
$$x = 50\sqrt{2}, y = 50$$

7.



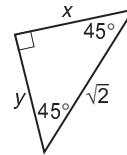
$$x = 10, y = 10$$

8.



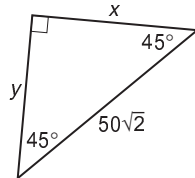
$$x = 14, y = 14$$

9.



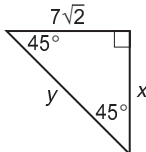
$$x = 1, y = 1$$

10.



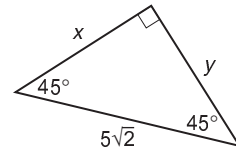
$$x = 50, y = 50$$

11.



$$x = 7\sqrt{2}, y = 14$$

12.



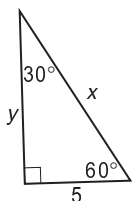
$$x = 5, y = 5$$

Skills Practice

30°-60°-90° Triangles

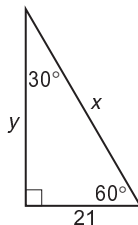
Find the missing measures. Write all radicals in simplest form.

1.



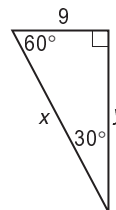
$$x = 10, y = 5\sqrt{3}$$

2.



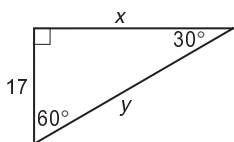
$$x = 42, y = 21\sqrt{3}$$

3.



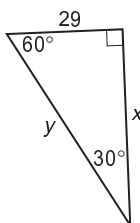
$$x = 18, y = 9\sqrt{3}$$

4.



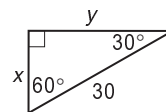
$$x = 17\sqrt{3}, y = 34$$

5.



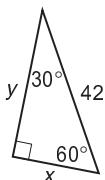
$$x = 29\sqrt{3}, y = 58$$

6.



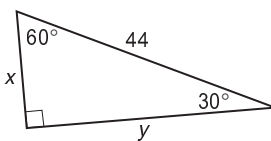
$$x = 15, y = 15\sqrt{3}$$

7.



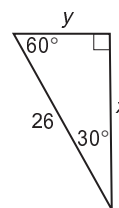
$$x = 21, y = 21\sqrt{3}$$

8.



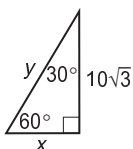
$$x = 22, y = 22\sqrt{3}$$

9.



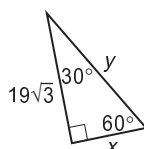
$$x = 13\sqrt{3}, y = 13$$

10.



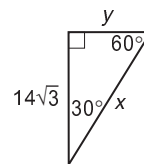
$$x = 10, y = 20$$

11.



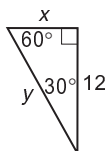
$$x = 19, y = 38$$

12.



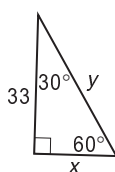
$$x = 28, y = 14$$

13.



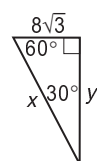
$$x = 4\sqrt{3}, y = 8\sqrt{3}$$

14.



$$x = 11\sqrt{3}, y = 22\sqrt{3}$$

15.



$$x = 16\sqrt{3}, y = 24$$