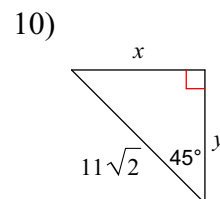
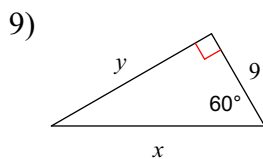
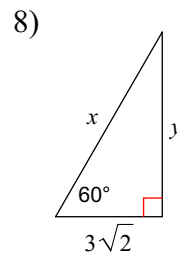
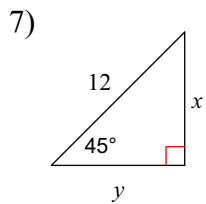
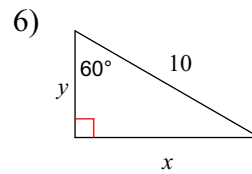
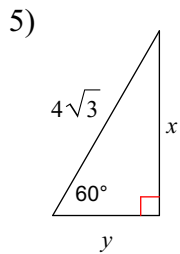
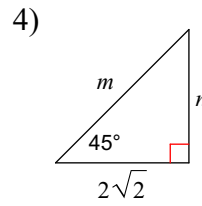
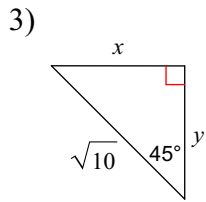
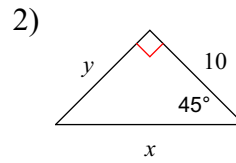
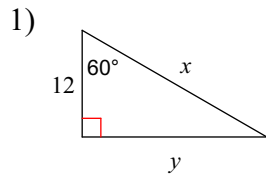
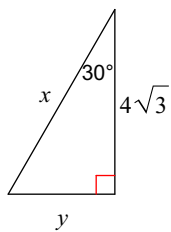


11.2 Special Right Triangles

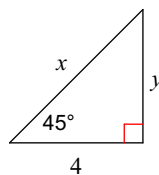
Find the missing side lengths. Leave your answers as radicals in simplest form.



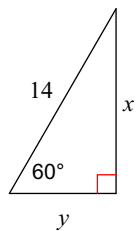
11)



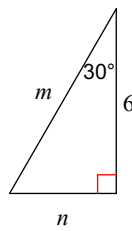
12)



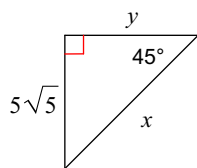
13)



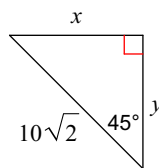
14)



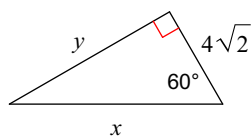
15)



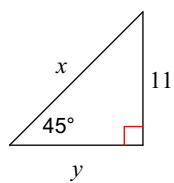
16)



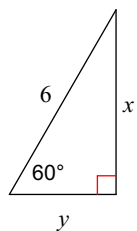
17)



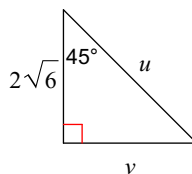
18)



19)



20)



Answers to 11.2 Special Right Triangles

1) $x = 24, y = 12\sqrt{3}$

5) $x = 6, y = 2\sqrt{3}$

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

13) $x = 7\sqrt{3}, y = 7$

16) $x = 10, y = 10$

20) $u = 4\sqrt{3}, v = 2\sqrt{6}$

2) $x = 10\sqrt{2}, y = 10$

6) $x = 5\sqrt{3}, y = 5$

10) $x = 11, y = 11$

14) $m = 4\sqrt{3}, n = 2\sqrt{3}$

17) $x = 8\sqrt{2}, y = 4\sqrt{6}$

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

7) $x = 6\sqrt{2}, y = 6\sqrt{2}$

11) $x = 8, y = 4$

15) $x = 5\sqrt{10}, y = 5\sqrt{5}$

18) $x = 11\sqrt{2}, y = 11$

4) $m = 4, n = 2\sqrt{2}$

8) $x = 6\sqrt{2}, y = 3\sqrt{6}$

12) $x = 4\sqrt{2}, y = 4$

19) $x = 3\sqrt{3}, y = 3$