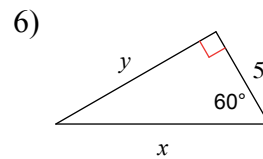
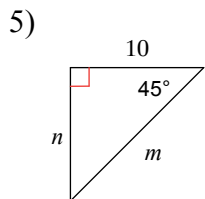
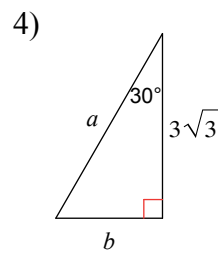
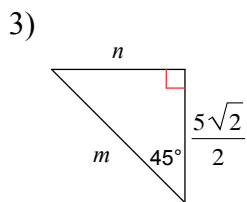
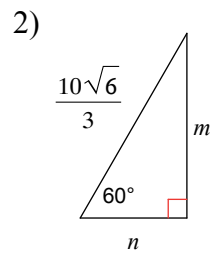
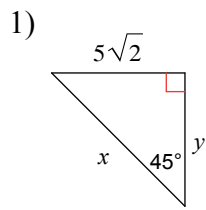
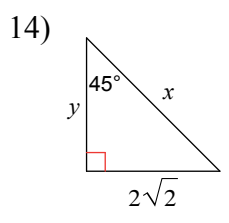
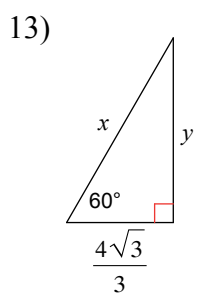
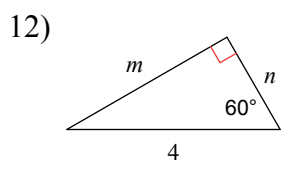
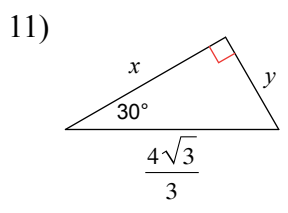
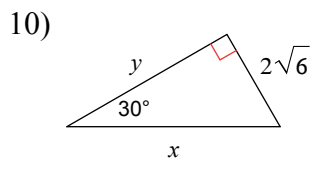
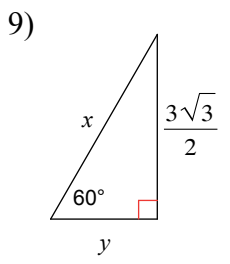
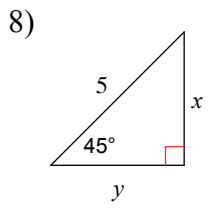
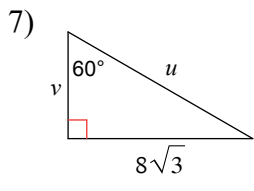


Special Right Triangles WS

Find the missing side lengths. Leave your answers as integers, where possible. Where not possible, write your answers in simplest radical form.

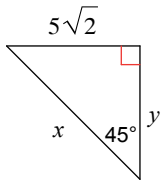




Special Right Triangles WS

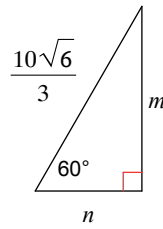
Find the missing side lengths. Leave your answers as integers, where possible. Where not possible, write your answers in simplest radical form.

1)



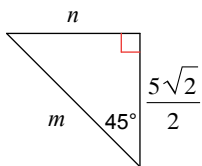
$$x = 10, y = 5\sqrt{2}$$

2)



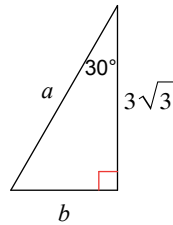
$$m = 5\sqrt{2}, n = \frac{5\sqrt{6}}{3}$$

3)



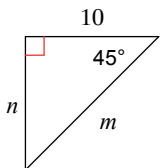
$$m = 5, n = \frac{5\sqrt{2}}{2}$$

4)



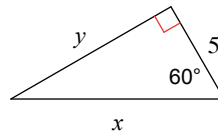
$$a = 6, b = 3$$

5)

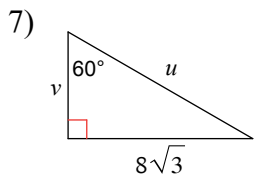


$$m = 10\sqrt{2}, n = 10$$

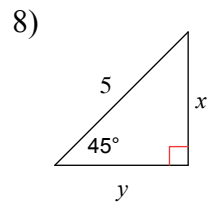
6)



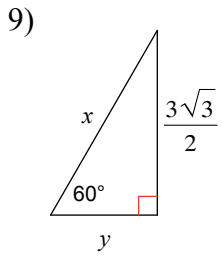
$$x = 10, y = 5\sqrt{3}$$



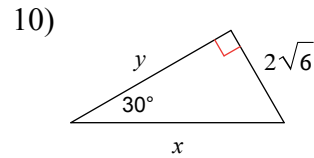
$$u = 16, v = 8$$



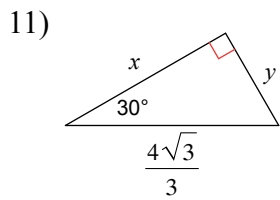
$$x = \frac{5\sqrt{2}}{2}, y = \frac{5\sqrt{2}}{2}$$



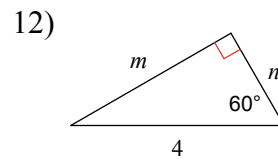
$$x = 3, y = \frac{3}{2}$$



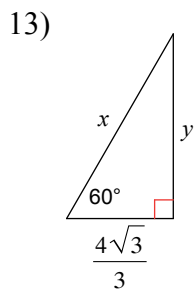
$$x = 4\sqrt{6}, y = 6\sqrt{2}$$



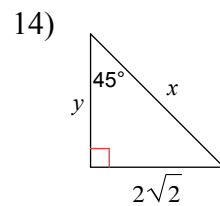
$$x = 2, y = \frac{2\sqrt{3}}{3}$$



$$m = 2\sqrt{3}, n = 2$$



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



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