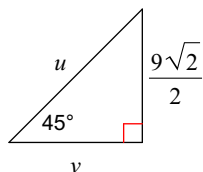


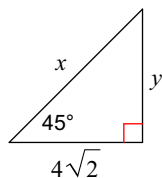
45-45-90 Triangles Practice

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

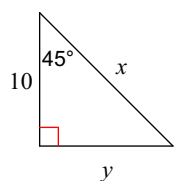
1)



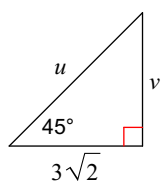
2)



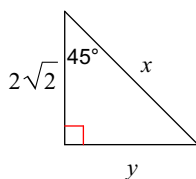
3)



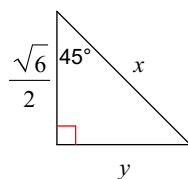
4)



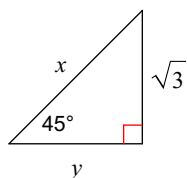
5)



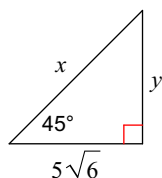
6)



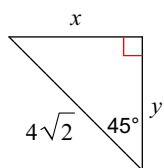
7)



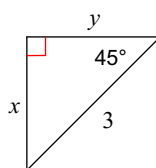
8)



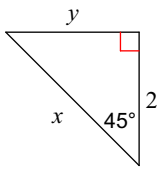
9)



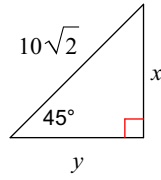
10)



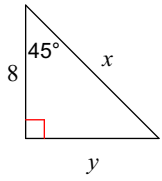
11)



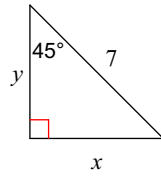
12)



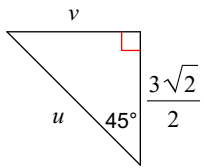
13)



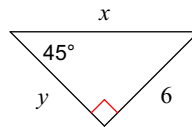
14)



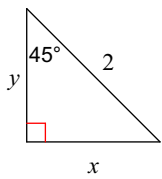
15)



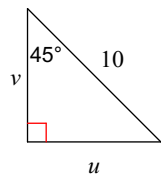
16)



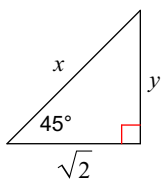
17)



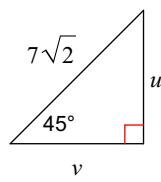
18)



19)



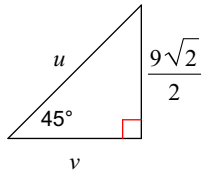
20)



45-45-90 Triangles Practice

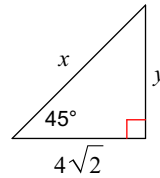
Find the missing side lengths. Leave your answers as radicals in simplest form.

1)



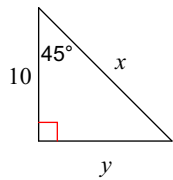
$$u = 9, v = \frac{9\sqrt{2}}{2}$$

2)



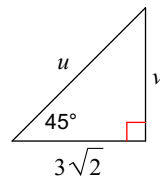
$$x = 8, y = 4\sqrt{2}$$

3)



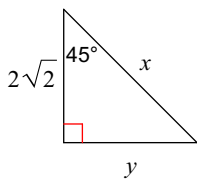
$$x = 10\sqrt{2}, y = 10$$

4)



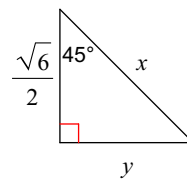
$$u = 6, v = 3\sqrt{2}$$

5)



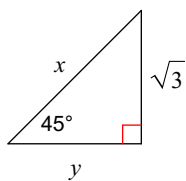
$$x = 4, y = 2\sqrt{2}$$

6)



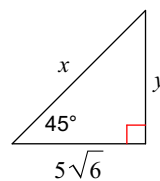
$$x = \sqrt{3}, y = \frac{\sqrt{6}}{2}$$

7)



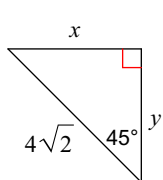
$$x = \sqrt{6}, y = \sqrt{3}$$

8)



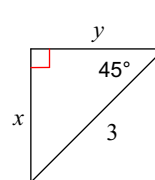
$$x = 10\sqrt{3}, y = 5\sqrt{6}$$

9)



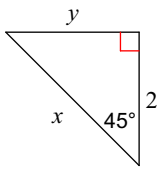
$$x = 4, y = 4$$

10)



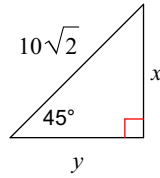
$$x = \frac{3\sqrt{2}}{2}, y = \frac{3\sqrt{2}}{2}$$

11)



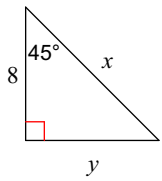
$$x = 2\sqrt{2}, y = 2$$

12)



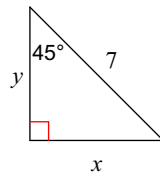
$$x = 10, y = 10$$

13)



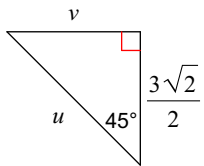
$$x = 8\sqrt{2}, y = 8$$

14)



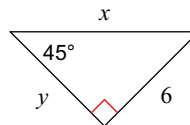
$$x = \frac{7\sqrt{2}}{2}, y = \frac{7\sqrt{2}}{2}$$

15)



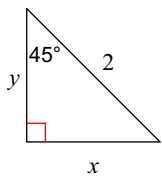
$$u = 3, v = \frac{3\sqrt{2}}{2}$$

16)



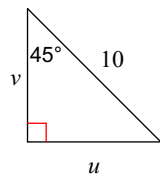
$$x = 6\sqrt{2}, y = 6$$

17)



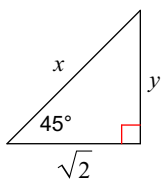
$$x = \sqrt{2}, y = \sqrt{2}$$

18)



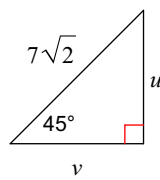
$$u = 5\sqrt{2}, v = 5\sqrt{2}$$

19)



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

20)



$$u = 7, v = 7$$