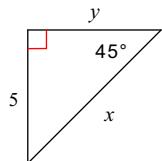


## 45-45-90 Practice

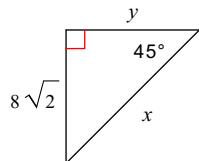
Date \_\_\_\_\_ Period \_\_\_\_\_

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

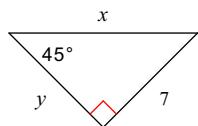
1)



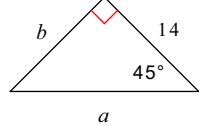
2)



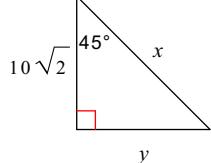
3)



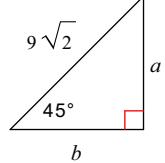
4)



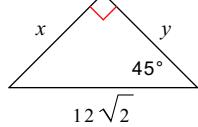
5)



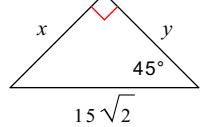
6)



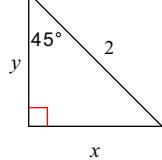
7)



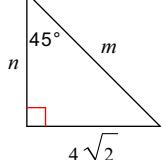
8)



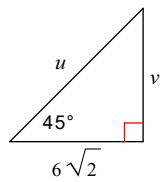
9)



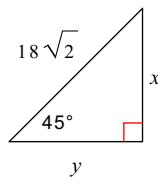
10)



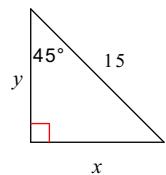
11)



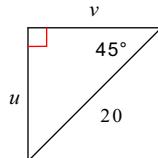
12)



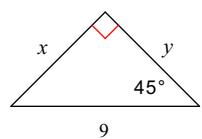
13)



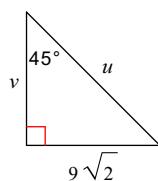
14)



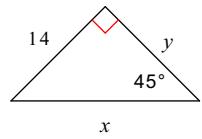
15)



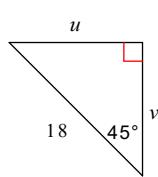
16)



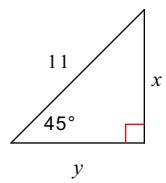
17)



18)



19)

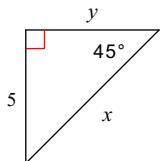


## 45-45-90 Practice

Date \_\_\_\_\_ Period \_\_\_\_

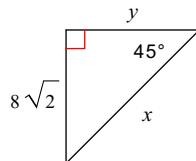
**Find the missing side lengths. Leave your answers as radicals in simplest form.**

1)



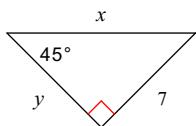
$$x = 5\sqrt{2}, \quad y = 5$$

2)



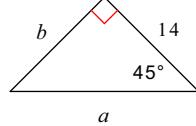
$$x = 16, \quad y = 8\sqrt{2}$$

3)



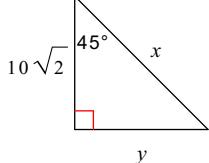
$$x = 7\sqrt{2}, \quad y = 7$$

4)



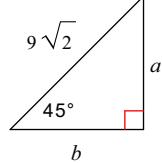
$$a = 14\sqrt{2}, \quad b = 14$$

5)



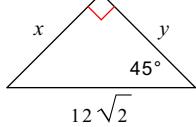
$$x = 20, \quad y = 10\sqrt{2}$$

6)



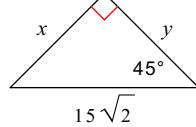
$$a = 9, \quad b = 9$$

7)



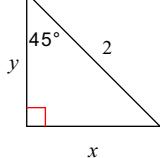
$$x = 12, \quad y = 12$$

8)



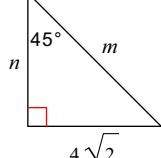
$$x = 15, \quad y = 15$$

9)



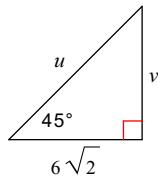
$$x = \sqrt{2}, \quad y = \sqrt{2}$$

10)



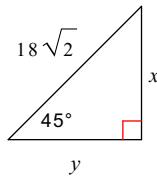
$$m = 8, \quad n = 4\sqrt{2}$$

11)



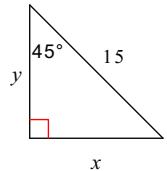
$$u = 12, \quad v = 6\sqrt{2}$$

12)



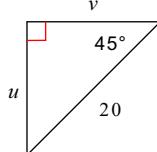
$$x = 18, \quad y = 18$$

13)



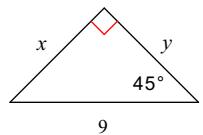
$$x = \frac{15\sqrt{2}}{2}, \quad y = \frac{15\sqrt{2}}{2}$$

14)



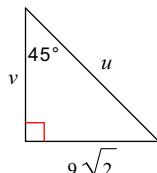
$$u = 10\sqrt{2}, \quad v = 10\sqrt{2}$$

15)



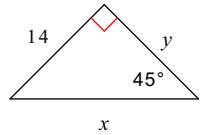
$$x = \frac{9\sqrt{2}}{2}, \quad y = \frac{9\sqrt{2}}{2}$$

16)



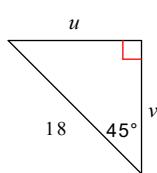
$$u = 18, \quad v = 9\sqrt{2}$$

17)



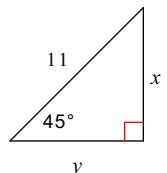
$$x = 14\sqrt{2}, \quad y = 14$$

18)



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

19)



$$x = \frac{11\sqrt{2}}{2}, \quad y = \frac{11\sqrt{2}}{2}$$