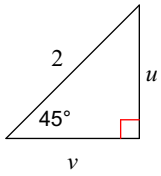


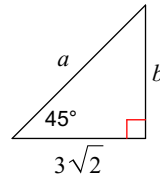
45 45 90 Practice

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

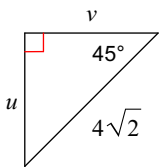
1)



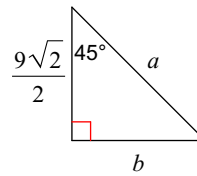
2)



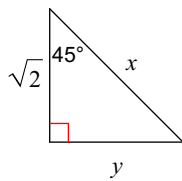
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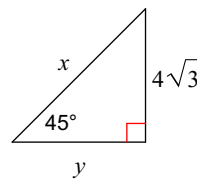
4)



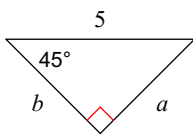
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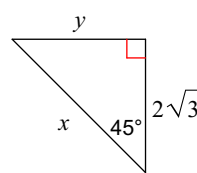
6)



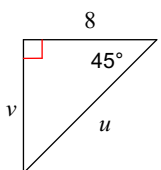
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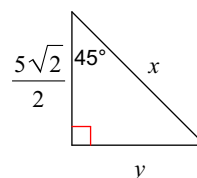
8)



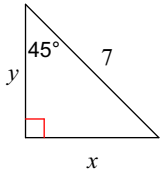
9)



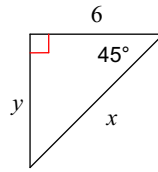
10)



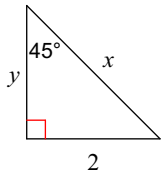
11)



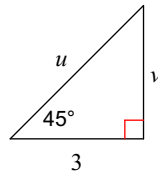
12)



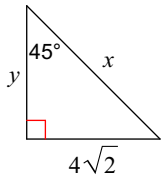
13)



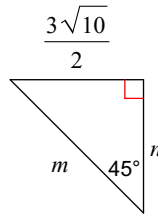
14)



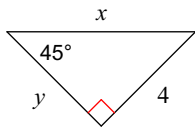
15)



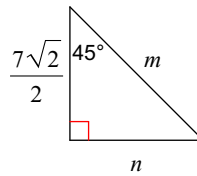
16)



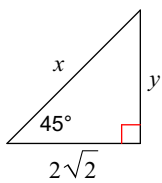
17)



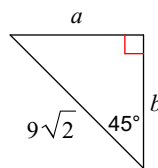
18)



19)



20)



## Answers to 45 45 90 Practice (ID: 1)

1)  $u = \sqrt{2}, v = \sqrt{2}$

2)  $a = 6, b = 3\sqrt{2}$

3)  $u = 4, v = 4$

4)  $a = 9, b = \frac{9\sqrt{2}}{2}$

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

6)  $x = 4\sqrt{6}, y = 4\sqrt{3}$

7)  $a = \frac{5\sqrt{2}}{2}, b = \frac{5\sqrt{2}}{2}$

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

9)  $u = 8\sqrt{2}, v = 8$

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

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

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

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

14)  $u = 3\sqrt{2}, v = 3$

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

16)  $m = 3\sqrt{5}, n = \frac{3\sqrt{10}}{2}$

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

18)  $m = 7, n = \frac{7\sqrt{2}}{2}$

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

20)  $a = 9, b = 9$