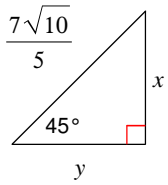


Summer Assignment Review: 45-45-90

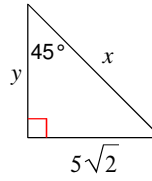
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Find the missing side lengths. Leave your answers as radicals in simplest form.

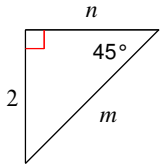
1)



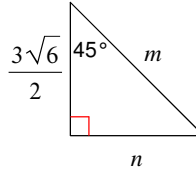
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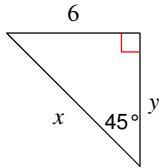
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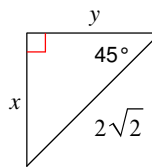
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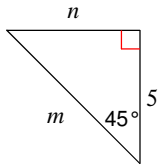
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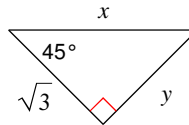
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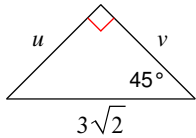
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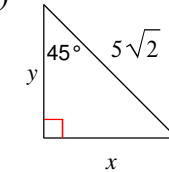
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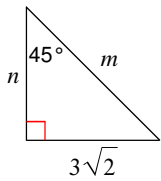
9)



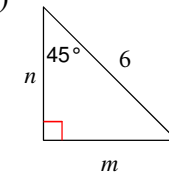
10)



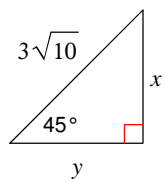
11)



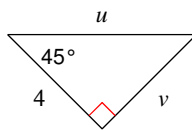
12)



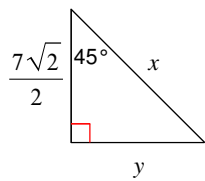
13)



14)



15)



Answers to Summer Assignment Review: 45-45-90

1) $x = \frac{7\sqrt{5}}{5}, y = \frac{7\sqrt{5}}{5}$

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

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

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

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

6) $x = 2, y = 2$

7) $m = 5\sqrt{2}, n = 5$

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

9) $u = 3, v = 3$

10) $x = 5, y = 5$

11) $m = 6, n = 3\sqrt{2}$

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

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

14) $u = 4\sqrt{2}, v = 4$

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