Math 2 Name_____

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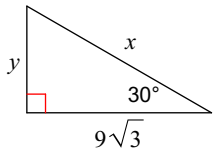
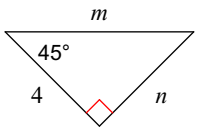
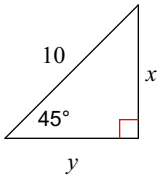
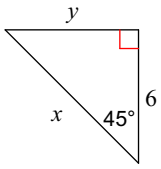
Unit 7.5 Special Right Triangles EXAMPLE

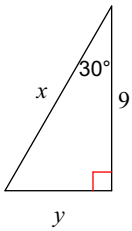
Find the missing side lengths. Leave your answers as radicals in simplest form.

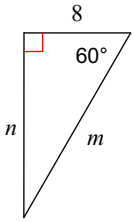
1) 

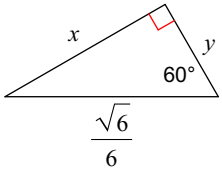
2) 

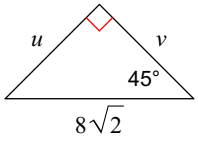
3) 

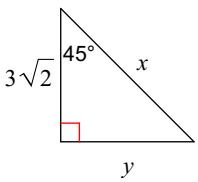
4) 

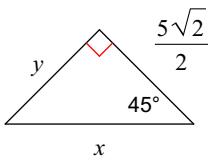
5) 

6) 

7) 

8) 

9) 

10) 

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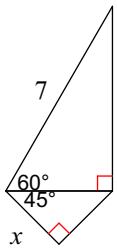

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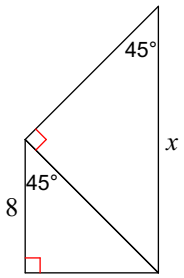

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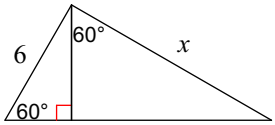

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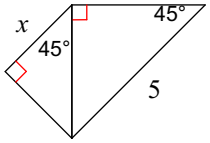

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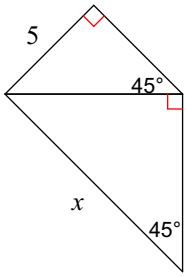

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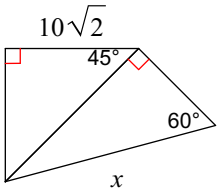

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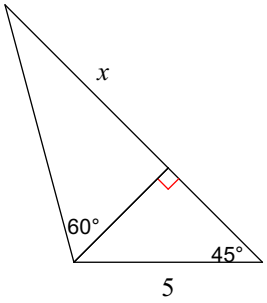

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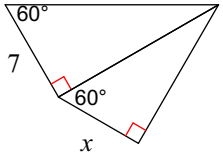

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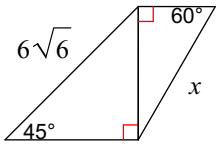

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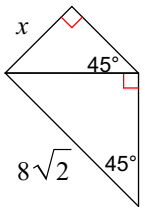

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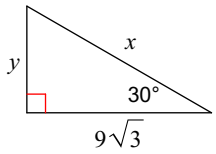
Unit 7.5 Special Right Triangles EXAMPLE

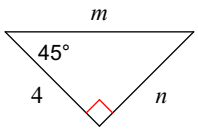
Find the missing side lengths. Leave your answers as radicals in simplest form.

1)



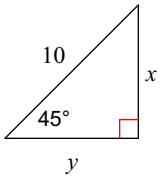
$x = 18,\ y = 9$

2)



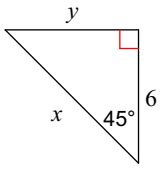
$m = 4\sqrt{2},\ n = 4$

3)



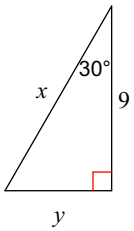
$x = 5\sqrt{2},\ y = 5\sqrt{2}$

4)



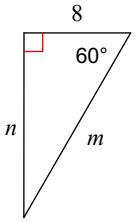
$x = 6\sqrt{2},\ y = 6$

5)



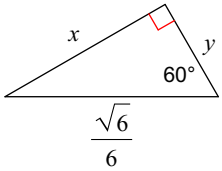
$x = 6\sqrt{3},\ y = 3\sqrt{3}$

6)



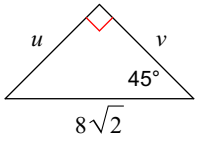
$m = 16,\ n = 8\sqrt{3}$

7)



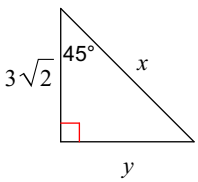
$x = \frac{\sqrt{2}}{4},\ y = \frac{\sqrt{6}}{12}$

8)



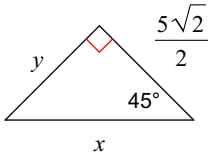
$u = 8,\ v = 8$

9)



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

10)



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

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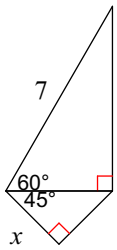
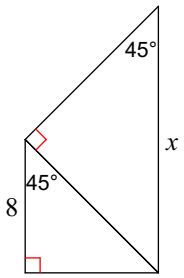
11)



$\frac{7\sqrt{2}}{4}$

12)



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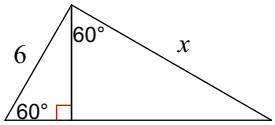
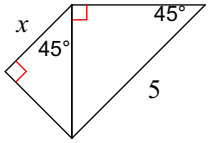


$6\sqrt{3}$

14)



$\frac{5}{2}$

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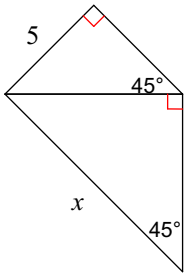

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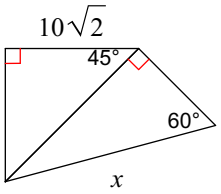

$\frac{40\sqrt{3}}{3}$

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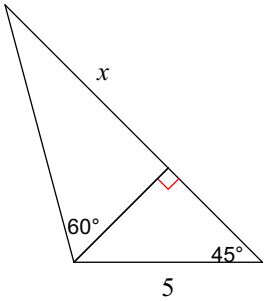
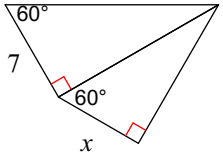


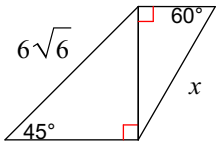
$\frac{5\sqrt{6}}{2}$

18)



$\frac{7\sqrt{3}}{2}$

19)



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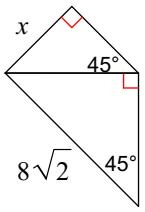

$4\sqrt{2}$

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