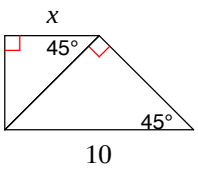
Name_____

Multi-Step Special Right Triangles

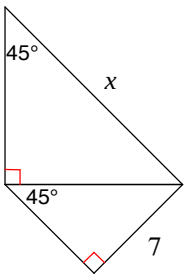
Date_____ Period____

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

1)



2)



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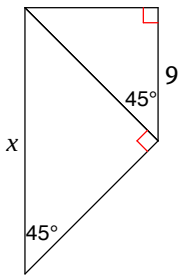

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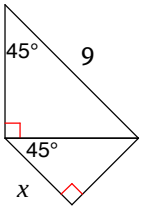

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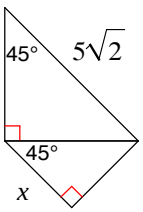

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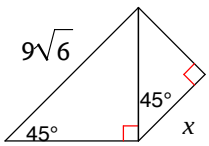

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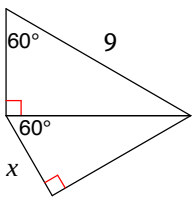

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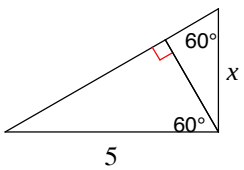

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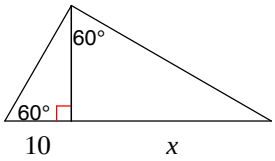

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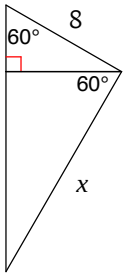

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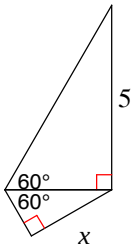

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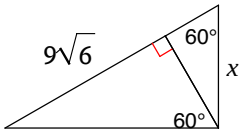

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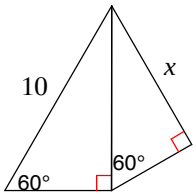

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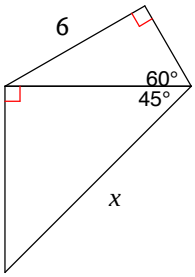

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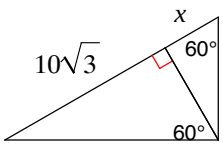

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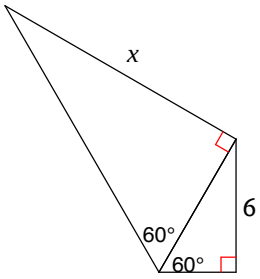

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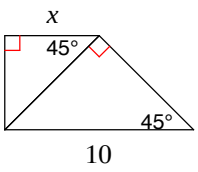
1)



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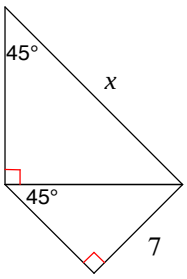
2)



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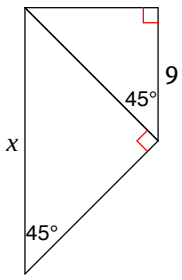
3)



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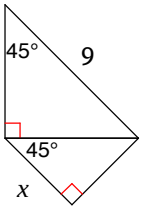
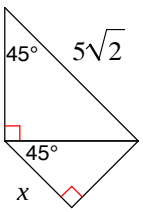


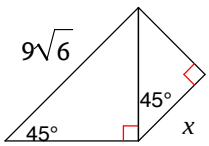
$\frac{9}{2}$

5)



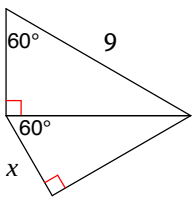
$\frac{5\sqrt{2}}{2}$

6)



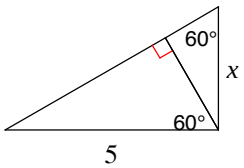
$\frac{9\sqrt{6}}{2}$

7)



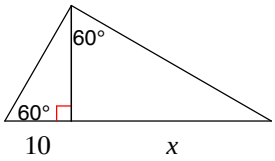
$\frac{9\sqrt{3}}{4}$

8)



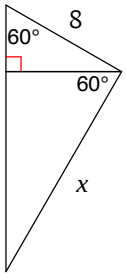
$\frac{5\sqrt{3}}{3}$

9)



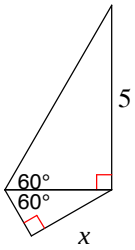
30

10)



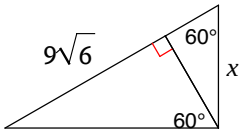
$8\sqrt{3}$

11)



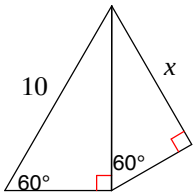
$\frac{5}{2}$

12)



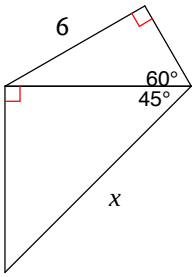
$6\sqrt{6}$

13)



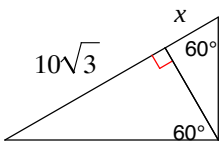
$\frac{15}{2}$

14)



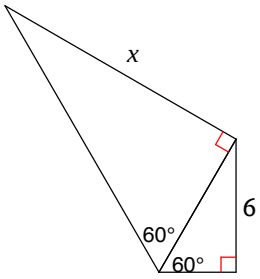
$4\sqrt{6}$

15)



$\frac{10\sqrt{3}}{3}$

16)



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