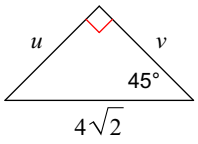
Ms. Mougharbel Name_____

Geometry - Homework 4 - Spring

Date_____ Period____

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

1)



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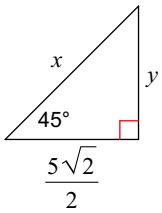

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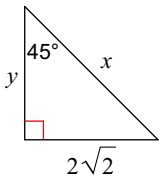

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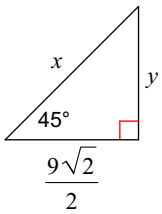

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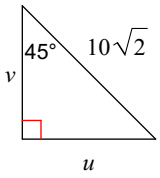

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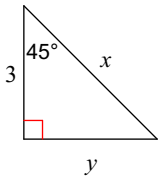

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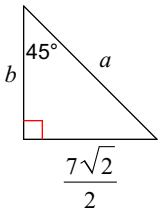

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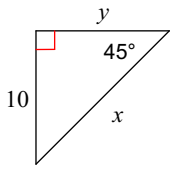

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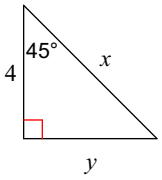

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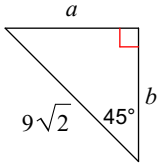

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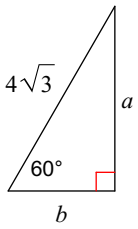

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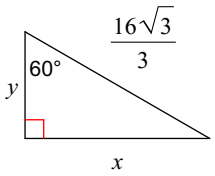

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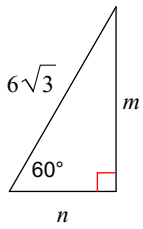

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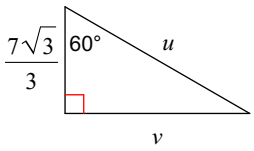

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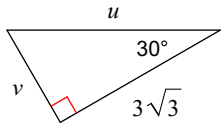

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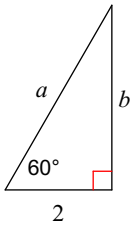

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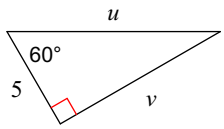

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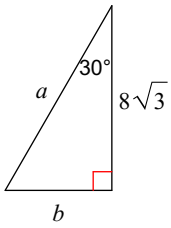

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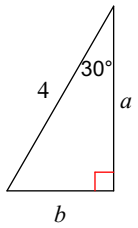

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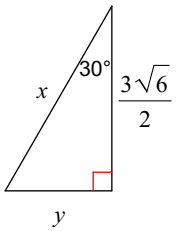

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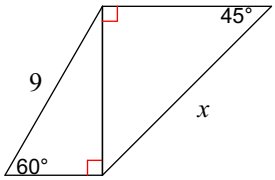

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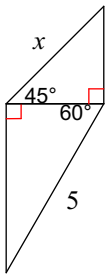

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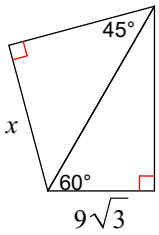

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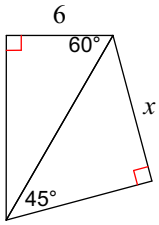

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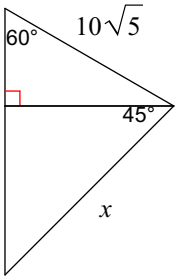

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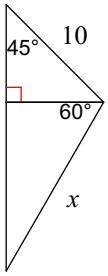

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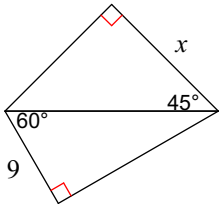

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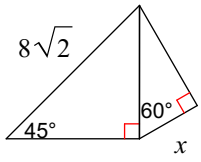

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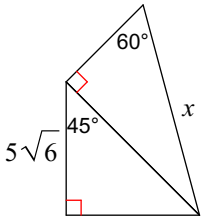

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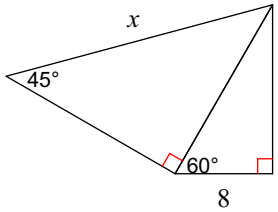

Answers to Geometry - Homework 4 - Spring

1) $u = 4,\ v = 4$

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

5) $u = 10,\ v = 10$

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

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

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

13) $m = 9,\ n = 3\sqrt{3}$

15) $u = 6,\ v = 3$

17) $u = 10,\ v = 5\sqrt{3}$

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

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

23) $9\sqrt{6}$

25) $5\sqrt{30}$

27) $9\sqrt{2}$

29) 20

