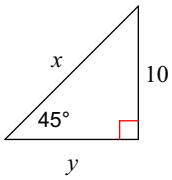
Geometry Homework

Special Triangles Review (STR)

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

1)



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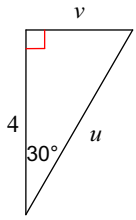

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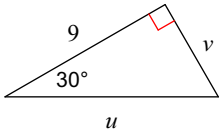

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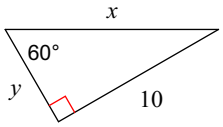

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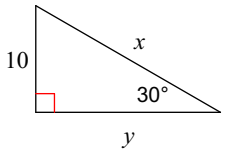

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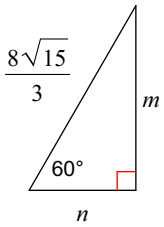

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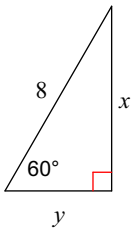

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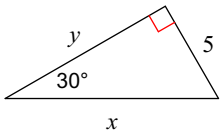

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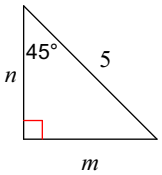

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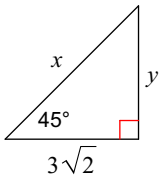

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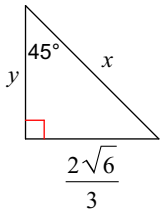

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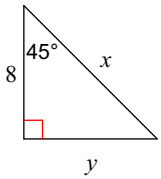

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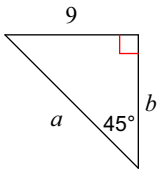

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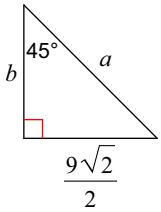

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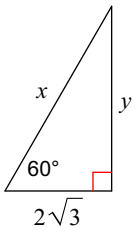

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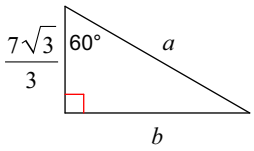

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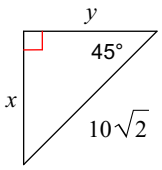

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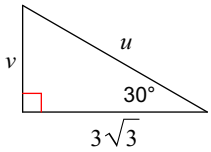

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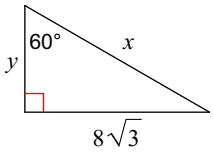

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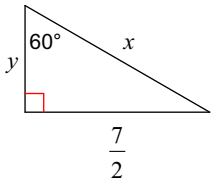

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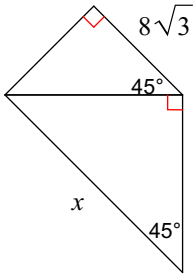

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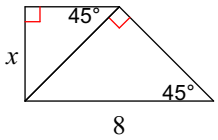

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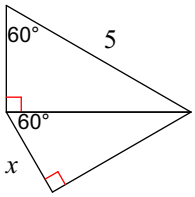

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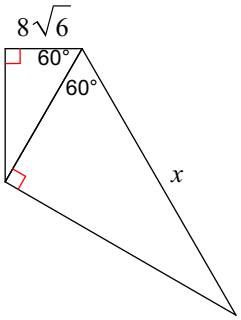

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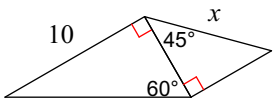

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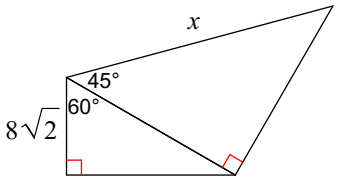

Answers to Special Triangles Review (STR)

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

3) $u = 6\sqrt{3},\ v = 3\sqrt{3}$

5) $x = 20,\ y = 10\sqrt{3}$

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

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

11) $x = \frac{4\sqrt{3}}{3},\ y = \frac{2\sqrt{6}}{3}$

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

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

17) $x = 10,\ y = 10$

19) $x = 16,\ y = 8$

21) $16\sqrt{3}$

23) $\frac{5\sqrt{3}}{4}$

25) $\frac{10\sqrt{6}}{3}$