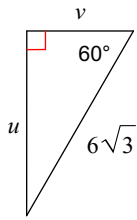


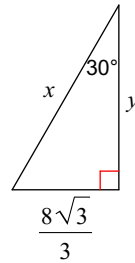
Assignment

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

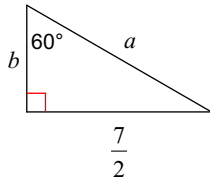
1)



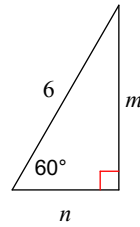
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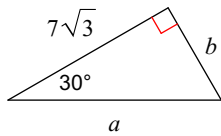
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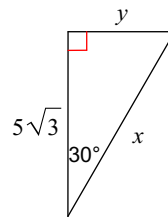
4)



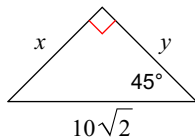
5)



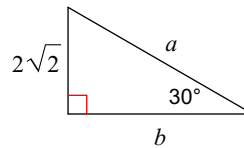
6)



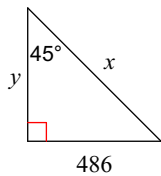
7)



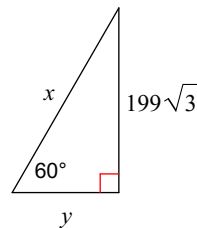
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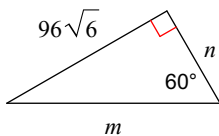
9)



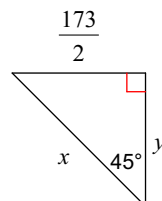
10)



11)



12)



Answers to Assignment (ID: 1)

1) $u = 9, v = 3\sqrt{3}$

2) $x = \frac{16\sqrt{3}}{3}, y = 8$

3) $a = \frac{7\sqrt{3}}{3}, b = \frac{7\sqrt{3}}{6}$

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

5) $a = 14, b = 7$

6) $x = 10, y = 5$

7) $x = 10, y = 10$

8) $a = 4\sqrt{2}, b = 2\sqrt{6}$

9) $x = 486\sqrt{2}, y = 486$

10) $x = 398, y = 199$

11) $m = 192\sqrt{2}, n = 96\sqrt{2}$

12) $x = \frac{173\sqrt{2}}{2}, y = \frac{173}{2}$