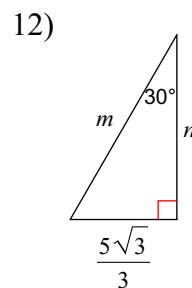
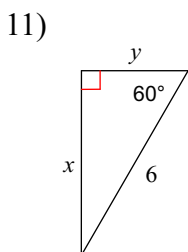
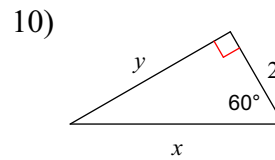
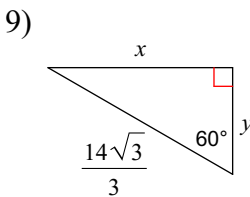
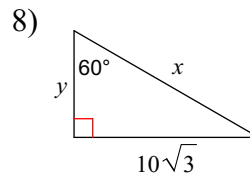
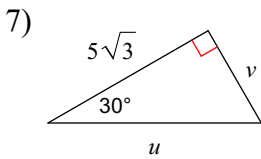
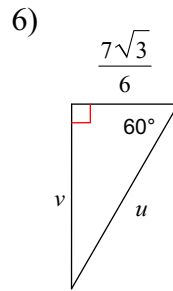
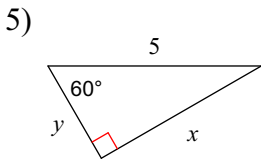
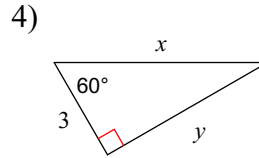
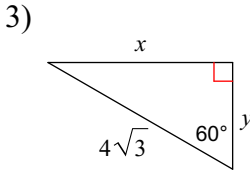
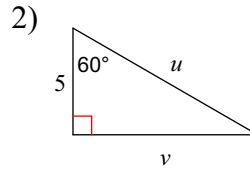
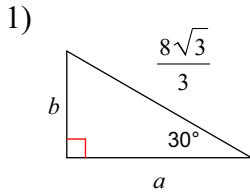
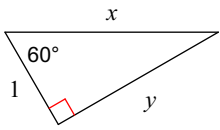


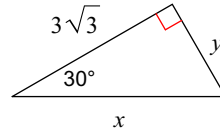
Find the missing side lengths. Leave your answers as radicals in simplest form.



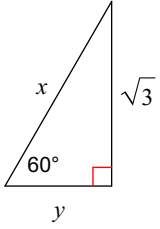
13)



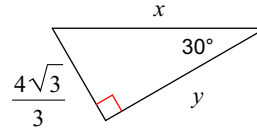
14)



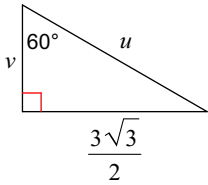
15)



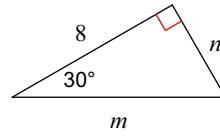
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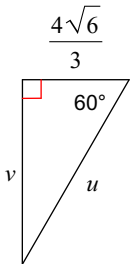
17)



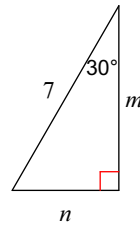
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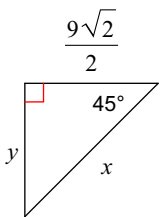
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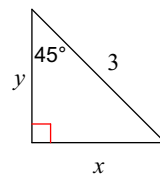
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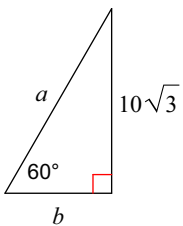
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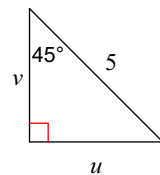
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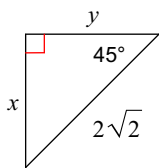
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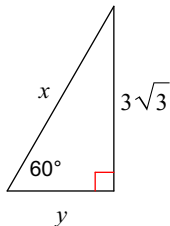
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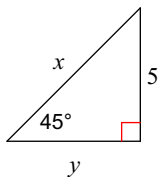
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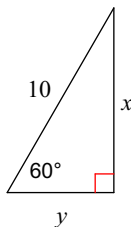
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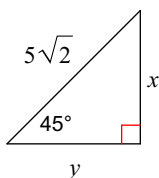
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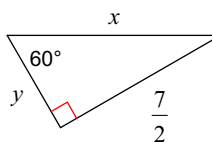
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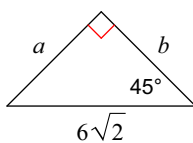
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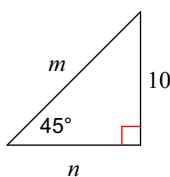
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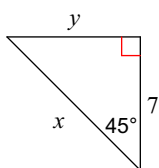
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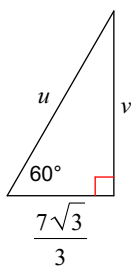
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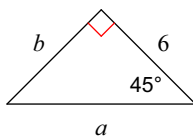
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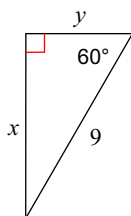
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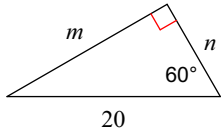
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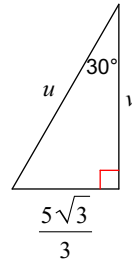
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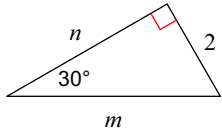
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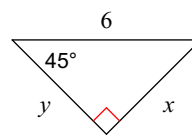
38)



39)



40)



Answers to (ID: 1)

- | | | | |
|--|---|--|--|
| 1) $a = 4, b = \frac{4\sqrt{3}}{3}$ | 2) $u = 10, v = 5\sqrt{3}$ | 3) $x = 6, y = 2\sqrt{3}$ | 4) $x = 6, y = 3\sqrt{3}$ |
| 5) $x = \frac{5\sqrt{3}}{2}, y = \frac{5}{2}$ | 6) $u = \frac{7\sqrt{3}}{3}, v = \frac{7}{2}$ | 7) $u = 10, v = 5$ | 8) $x = 20, y = 10$ |
| 9) $x = 7, y = \frac{7\sqrt{3}}{3}$ | 10) $x = 4, y = 2\sqrt{3}$ | 11) $x = 3\sqrt{3}, y = 3$ | 12) $m = \frac{10\sqrt{3}}{3}, n = 5$ |
| 13) $x = 2, y = \sqrt{3}$ | 14) $x = 6, y = 3$ | 15) $x = 2, y = 1$ | 16) $x = \frac{8\sqrt{3}}{3}, y = 4$ |
| 17) $u = 3, v = \frac{3}{2}$ | 18) $m = \frac{16\sqrt{3}}{3}, n = \frac{8\sqrt{3}}{3}$ | 19) $u = \frac{8\sqrt{6}}{3}, v = 4\sqrt{2}$ | |
| 20) $m = \frac{7\sqrt{3}}{2}, n = \frac{7}{2}$ | 21) $x = 9, y = \frac{9\sqrt{2}}{2}$ | 22) $x = \frac{3\sqrt{2}}{2}, y = \frac{3\sqrt{2}}{2}$ | |
| 23) $a = 20, b = 10$ | 24) $u = \frac{5\sqrt{2}}{2}, v = \frac{5\sqrt{2}}{2}$ | 25) $x = 2, y = 2$ | |
| 26) $x = 6, y = 3$ | 27) $x = 5\sqrt{2}, y = 5$ | 28) $x = 5\sqrt{3}, y = 5$ | 29) $x = 5, y = 5$ |
| 30) $x = \frac{7\sqrt{3}}{3}, y = \frac{7\sqrt{3}}{6}$ | 31) $a = 6, b = 6$ | 32) $m = 10\sqrt{2}, n = 10$ | |
| 33) $x = 7\sqrt{2}, y = 7$ | 34) $u = \frac{14\sqrt{3}}{3}, v = 7$ | 35) $a = 6\sqrt{2}, b = 6$ | 36) $x = \frac{9\sqrt{3}}{2}, y = \frac{9}{2}$ |
| 37) $m = 10\sqrt{3}, n = 10$ | 38) $u = \frac{10\sqrt{3}}{3}, v = 5$ | 39) $m = 4, n = 2\sqrt{3}$ | |
| 40) $x = 3\sqrt{2}, y = 3\sqrt{2}$ | | | |