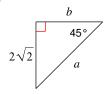
Special Right Triangles

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

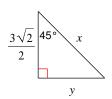
1)



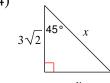
2)



3



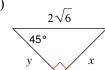
4



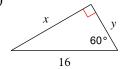
5



6)

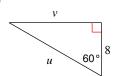


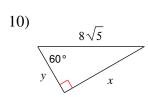
7)



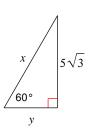
8)

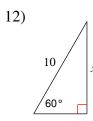


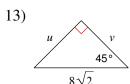


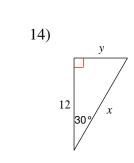


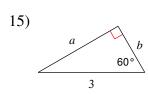
11)



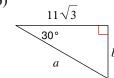


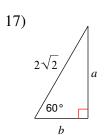






16)





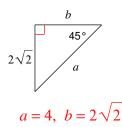
18)



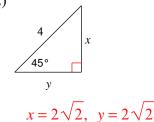
Special Right Triangles

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

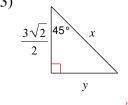
1)



2)

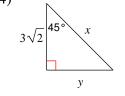


3)



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

4



$$x = 6, \ y = 3\sqrt{2}$$

5)

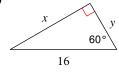


$$x = 3\sqrt{2}, y = 3\sqrt{2}$$

6)

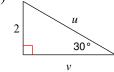


7)



$$x = 8\sqrt{3}, y = 8$$

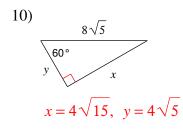
8)



$$u = 4, \ v = 2\sqrt{3}$$

9) v 60° 8

$$u = 16, \ v = 8\sqrt{3}$$



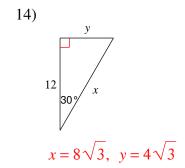
11) $x = 5\sqrt{3}$ y

$$x = 10, y = 5$$

12)
$$x$$

$$x = 5\sqrt{3}, y = 5$$

13)
$$u = 8, v = 8$$



a =
$$\frac{3\sqrt{3}}{2}$$
, $b = \frac{3}{2}$

16)
$$11\sqrt{3}$$

$$a = 22, b = 11$$

17)
$$\begin{array}{c}
2\sqrt{2} \\
 & a
\end{array}$$

$$a = \sqrt{6}, b = \sqrt{2}$$

18)
$$m = \frac{7\sqrt{2}}{2}, \quad n = \frac{7\sqrt{2}}{2}$$

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