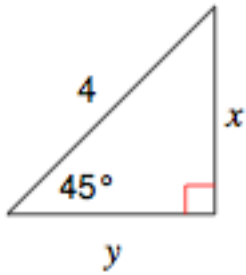


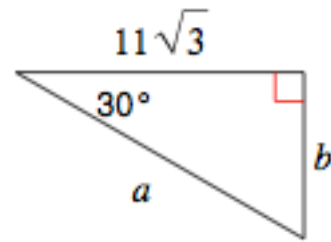
Special Right Triangles

Find the missing side lengths for each triangle.

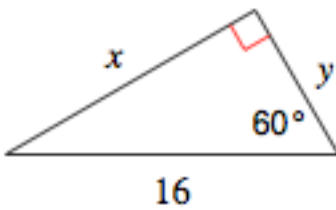
1.



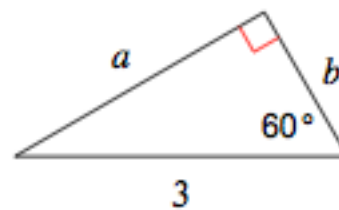
2.



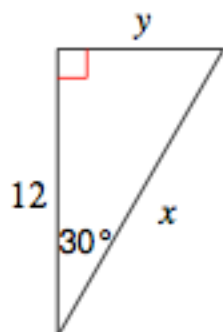
3.



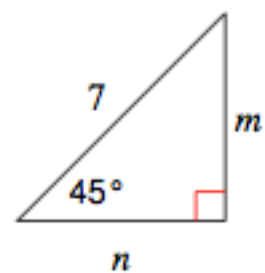
4.



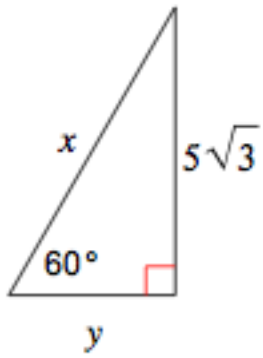
5.



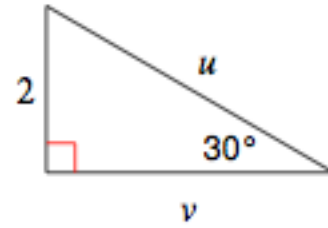
6.



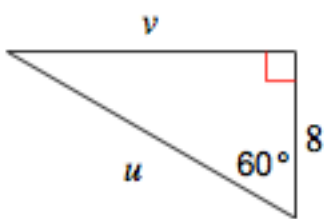
7.



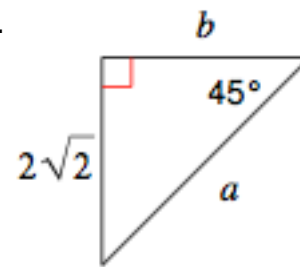
8.



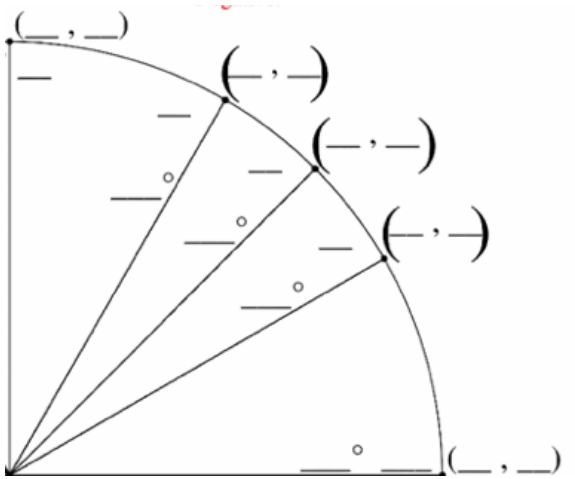
9.



10.



11. Fill in the appropriate spaces in the unit circle.



12. $\sin 45^\circ =$

13. $\cos 30^\circ =$

14. $\tan 0^\circ =$

15. $\sin 90^\circ =$

16. $\sin 30^\circ =$

17. $\tan 60^\circ =$

Answer Key

1. $x = 2\sqrt{2}$
 $y = 2\sqrt{2}$

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

5. $x = 4\sqrt{3}$
 $y = 8\sqrt{3}$

7. $x = 10$
 $y = 5$

9. $u = 16$
 $v = 8\sqrt{3}$

13. $\frac{\sqrt{3}}{2}$

15. 1

17. $\sqrt{3}$