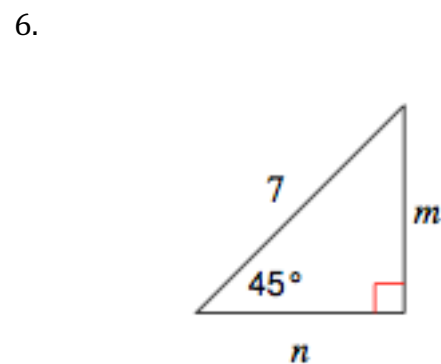
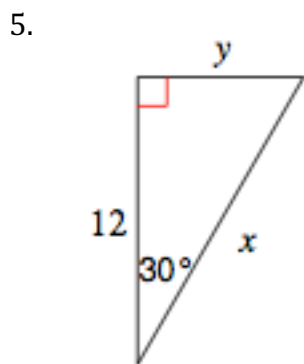
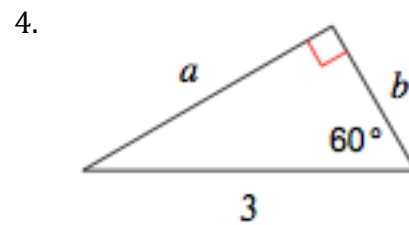
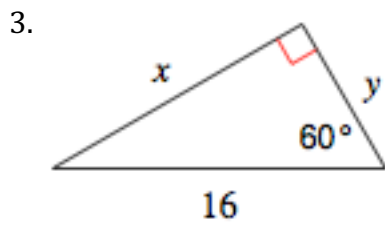
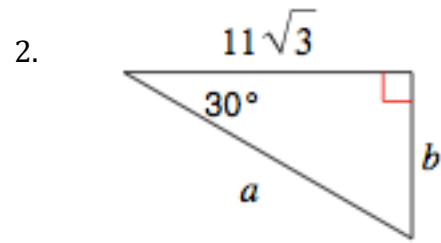
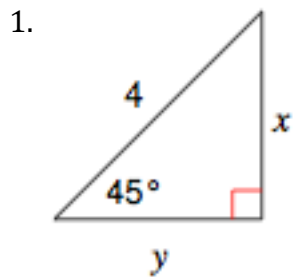


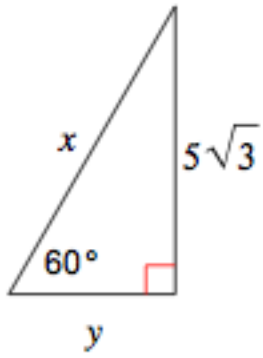
9-4 Secondary Math II
Special Right Triangles

Name _____ Period _____

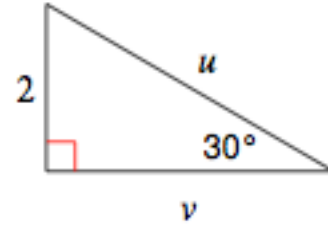
Find the missing side lengths for each triangle.



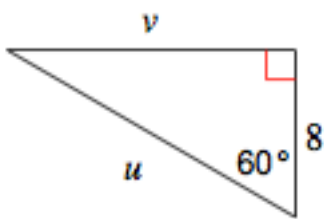
7.



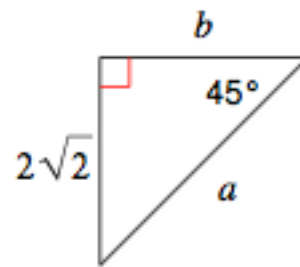
8.



9.



10.



Find the exact trig values using special right triangles.

11. $\sin 45^\circ =$

12. $\cos 30^\circ =$

13. $\sin 30^\circ =$

14. $\tan 60^\circ =$

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. $\sqrt{3}$