

## 8-4 30-60-90 Right Triangles and 45-45 Right Triangles

Name: \_\_\_\_\_

Time > Start: \_\_\_\_\_ Finish: \_\_\_\_\_

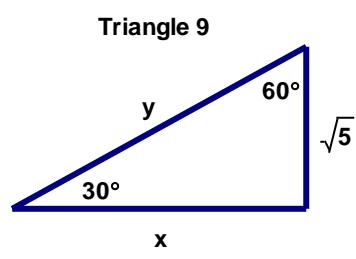
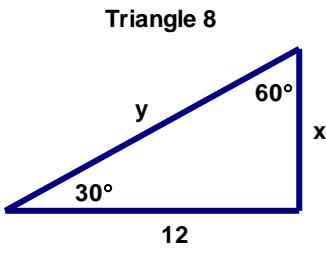
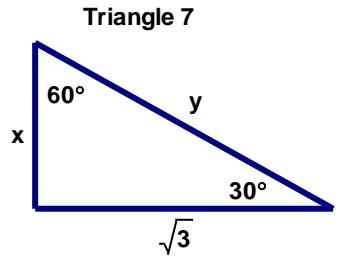
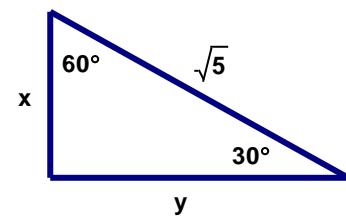
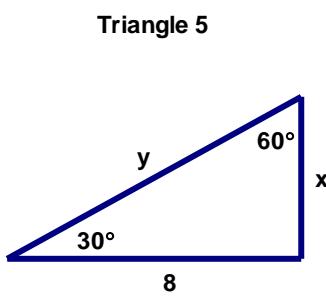
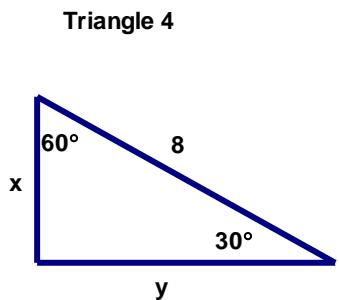
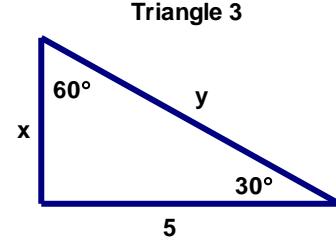
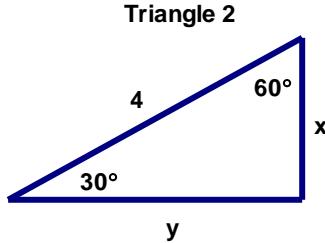
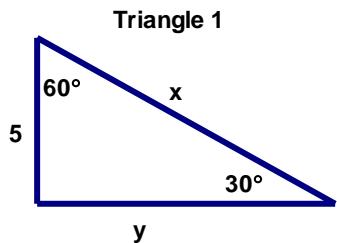
Total Time = \_\_\_\_\_

Rationalize the denominator or simplify the expression in the problems below.

\_\_\_\_\_ [1]  $2\sqrt{3} \bullet 2\sqrt{5}$  \_\_\_\_\_ [2]  $3\sqrt{5} \bullet 2\sqrt{5}$  \_\_\_\_\_ [3]  $3\sqrt{2} \bullet \sqrt{3}$

\_\_\_\_\_ [4]  $\frac{2}{\sqrt{5}}$  \_\_\_\_\_ [5]  $\frac{3}{\sqrt{3}}$  \_\_\_\_\_ [6]  $\frac{7}{\sqrt{11}}$

Find the missing values of x and y in the triangles below. Make sure you rationalize the denominator if needed.



[1]: x = \_\_\_\_\_ y = \_\_\_\_\_

[2]: x = \_\_\_\_\_ y = \_\_\_\_\_

[3]: x = \_\_\_\_\_ y = \_\_\_\_\_

4: x = \_\_\_\_\_ y = \_\_\_\_\_

5: x = \_\_\_\_\_ y = \_\_\_\_\_

6: x = \_\_\_\_\_ y = \_\_\_\_\_

7: x = \_\_\_\_\_ y = \_\_\_\_\_

8: x = \_\_\_\_\_ y = \_\_\_\_\_

9: x = \_\_\_\_\_ y = \_\_\_\_\_

