

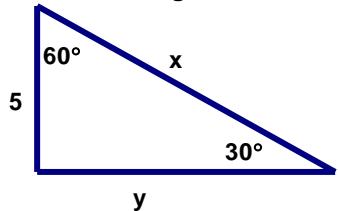
8-4 30-60-90 Right Triangles and 45-45 Right Triangles

Name: _____

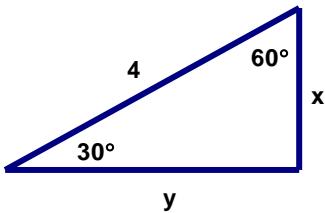
Time > Start: _____ Finish: _____ Total Time = _____

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

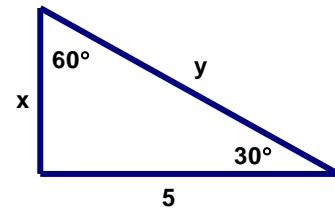
Triangle 1



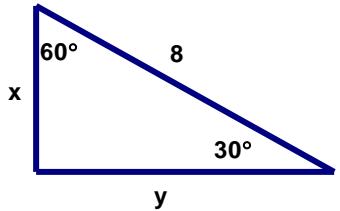
Triangle 2



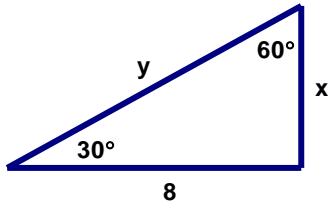
Triangle 3



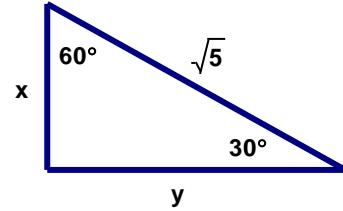
Triangle 4



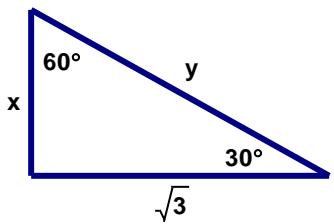
Triangle 5



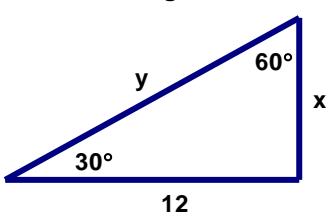
Triangle 6



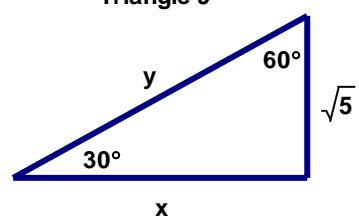
Triangle 7



Triangle 8



Triangle 9



1. $x = \underline{\hspace{2cm}}$ $y = \underline{\hspace{2cm}}$

2. $x = \underline{\hspace{2cm}}$ $y = \underline{\hspace{2cm}}$

3. $x = \underline{\hspace{2cm}}$ $y = \underline{\hspace{2cm}}$

4. $x = \underline{\hspace{2cm}}$ $y = \underline{\hspace{2cm}}$

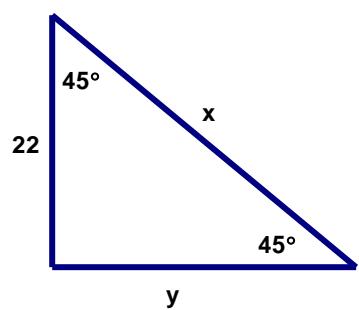
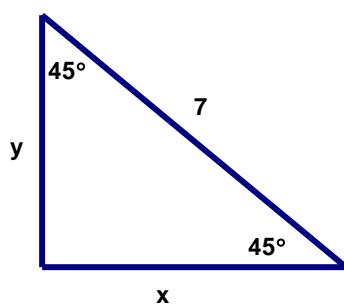
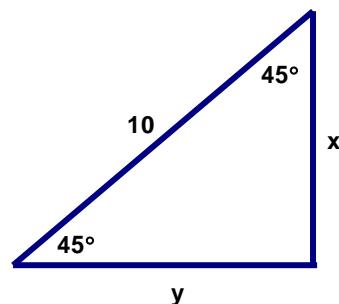
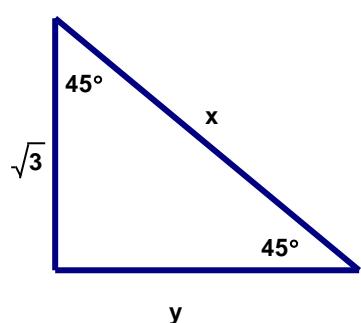
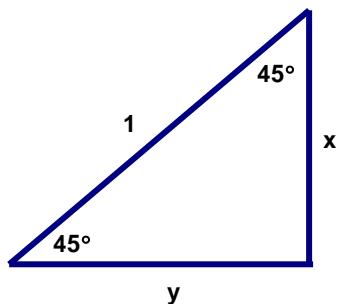
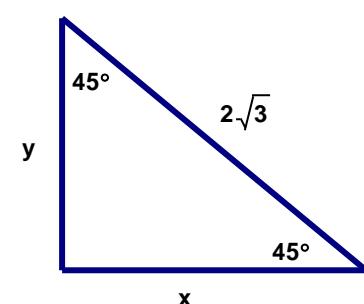
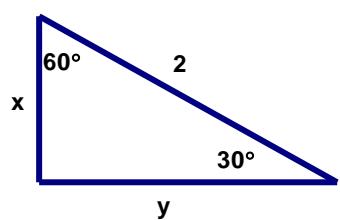
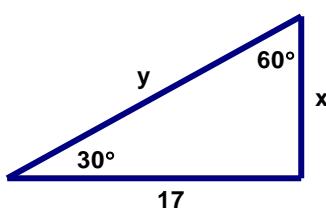
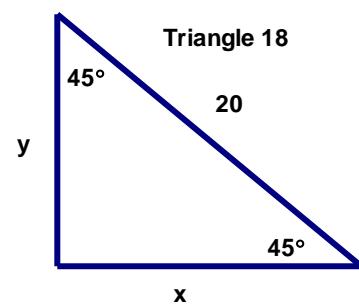
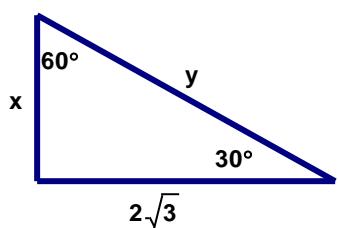
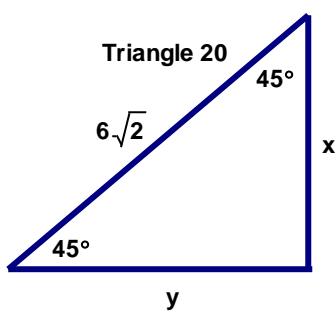
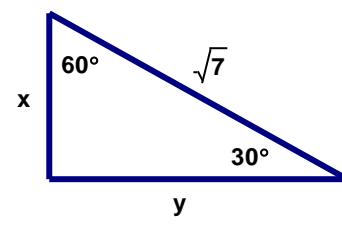
5. $x = \underline{\hspace{2cm}}$ $y = \underline{\hspace{2cm}}$

6. $x = \underline{\hspace{2cm}}$ $y = \underline{\hspace{2cm}}$

7. $x = \underline{\hspace{2cm}}$ $y = \underline{\hspace{2cm}}$

8. $x = \underline{\hspace{2cm}}$ $y = \underline{\hspace{2cm}}$

9. $x = \underline{\hspace{2cm}}$ $y = \underline{\hspace{2cm}}$

Triangle 10**Triangle 11****Triangle 12****Triangle 13****Triangle 14****Triangle 15****Triangle 16****Triangle 17****Triangle 18****Triangle 19****Triangle 20****Triangle 21**

10. $x = \underline{\hspace{2cm}}$ $y = \underline{\hspace{2cm}}$

11. $x = \underline{\hspace{2cm}}$ $y = \underline{\hspace{2cm}}$

12. $x = \underline{\hspace{2cm}}$ $y = \underline{\hspace{2cm}}$

13. $x = \underline{\hspace{2cm}}$ $y = \underline{\hspace{2cm}}$

14. $x = \underline{\hspace{2cm}}$ $y = \underline{\hspace{2cm}}$

15. $x = \underline{\hspace{2cm}}$ $y = \underline{\hspace{2cm}}$

16. $x = \underline{\hspace{2cm}}$ $y = \underline{\hspace{2cm}}$

17. $x = \underline{\hspace{2cm}}$ $y = \underline{\hspace{2cm}}$

18. $x = \underline{\hspace{2cm}}$ $y = \underline{\hspace{2cm}}$

19. $x = \underline{\hspace{2cm}}$ $y = \underline{\hspace{2cm}}$

20. $x = \underline{\hspace{2cm}}$ $y = \underline{\hspace{2cm}}$

21. $x = \underline{\hspace{2cm}}$ $y = \underline{\hspace{2cm}}$