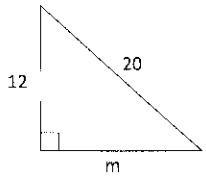
Combo Day Name _____

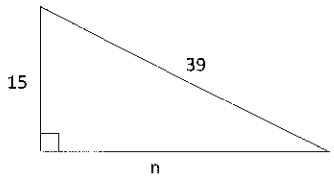
Period _____

Choose the best method, and then solve for the indicated values. Leave answers in simplified radical form.

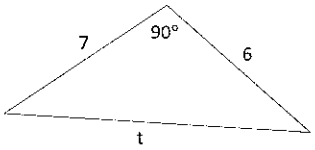
1. m = _____



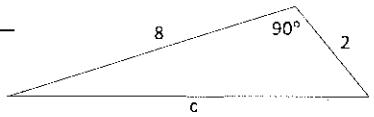
2. n = _____



3. t = _____

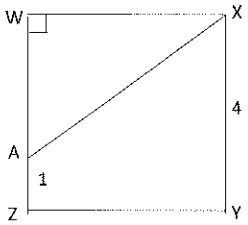


4. c = _____

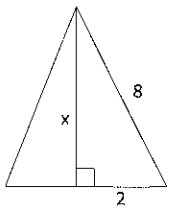


5. AX = _____

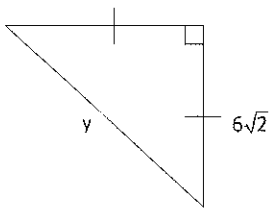
square WXYZ



6. x = _____

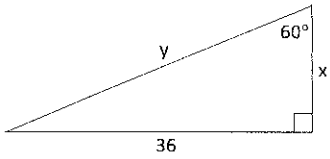


7. y = _____



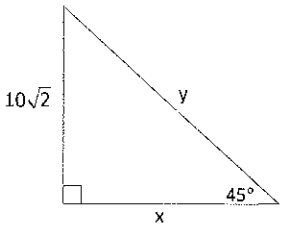
8. x = _____

y = _____



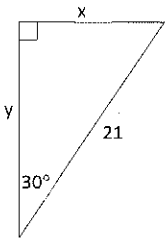
9. x = _____

y = _____



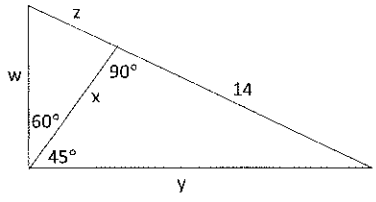
10. x = _____

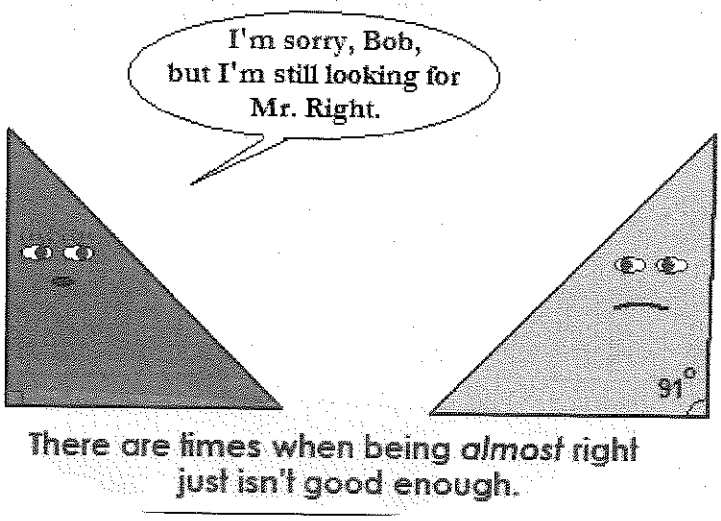
y = _____



11. w = _____ x = _____

y = _____ z = _____





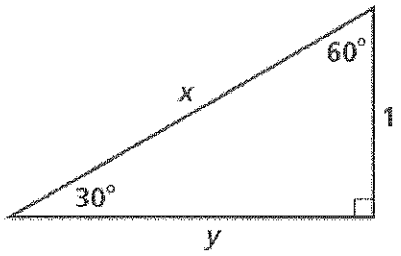
Name: _____ Hour: _____ Date: _____

Practice 8-3

Special Right Triangles

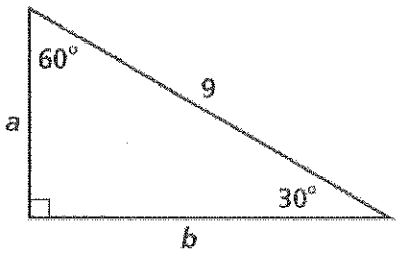
Find the value of each variable. Leave your answers in simplest radical form.

1.



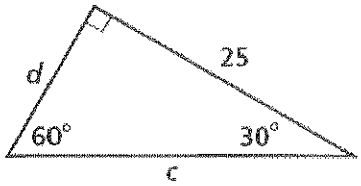
x = _____ y = _____

2.



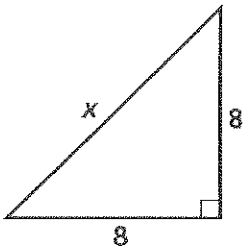
a = _____ b = _____

3.



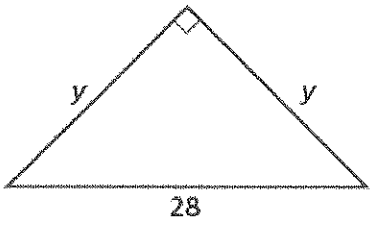
c = _____ d = _____

4.



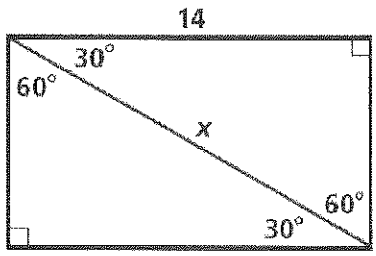
x = _____

5.



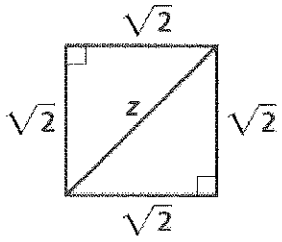
y = _____

6.



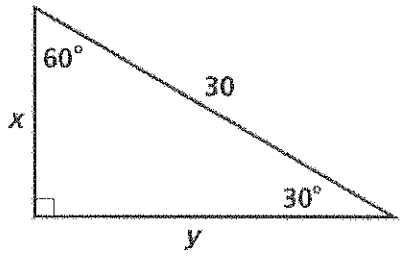
x = _____

7.



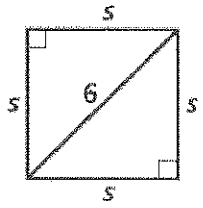
z = _____

8.



x = _____ y = _____

9.



s = _____

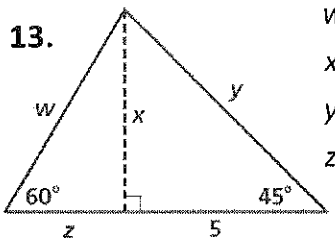
10. Find the length to the nearest centimeter of the diagonal of a square with 30 cm on a side.

11. The hypotenuse of an isosceles right triangle is 8.4 in. find the length of a side to the nearest tenth.

12. In a 30°- 60° - 90° triangle, the shorter leg is 6 ft long. Find the length of the other two sides to the nearest tenth.

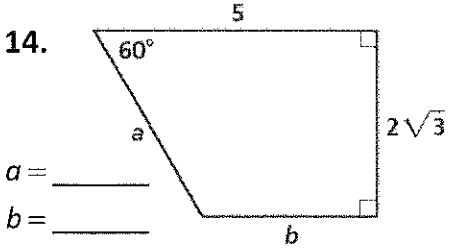
Algebra **Find the value of each variable. Leave your answers in simplest radical form.**

13.



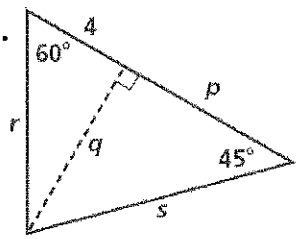
w = _____
x = _____
y = _____
z = _____

14.



a = _____
b = _____

15.

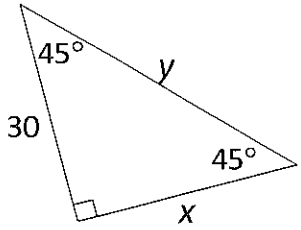


p = _____
q = _____
r = _____
s = _____

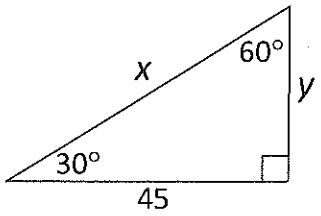
Chapter 8
Practice Worksheet 1

(Use with section 8-3)

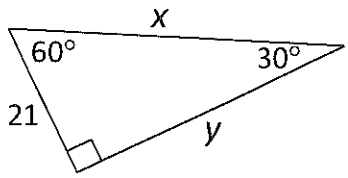
Find the values of x and y in each of the following triangles.

1. 

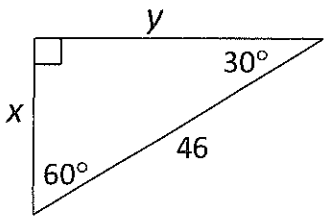
x = _____ y = _____

2. 

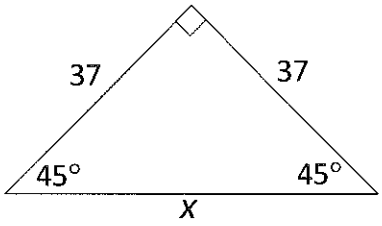
x = _____ y = _____

3. 

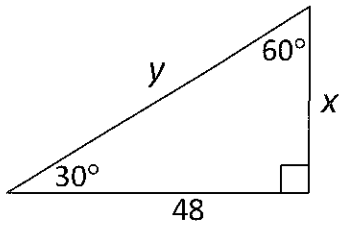
x = _____ y = _____

4. 

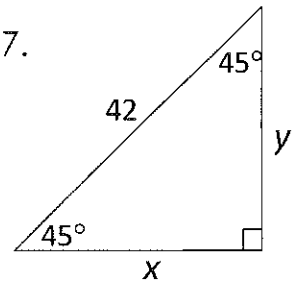
x = _____ y = _____

5. 

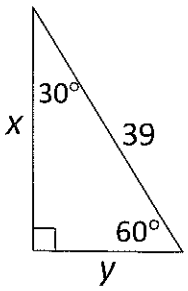
x = _____

6. 

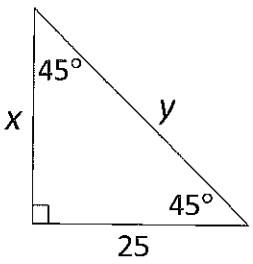
x = _____ y = _____

7. 

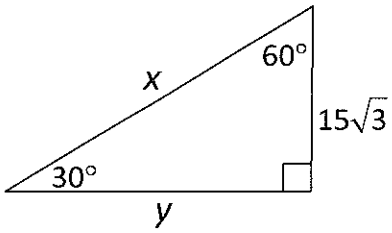
x = _____ y = _____

8. 

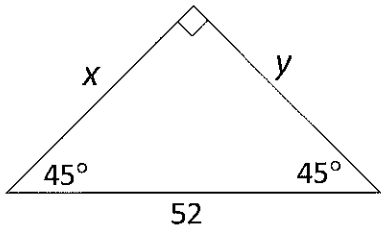
x = _____ y = _____

9. 

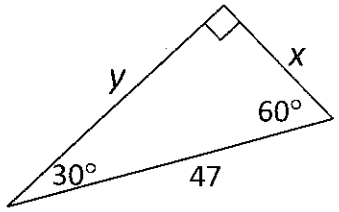
x = _____ y = _____

10. 

x = _____ y = _____

11. 

x = _____ y = _____

12. 

x = _____ y = _____