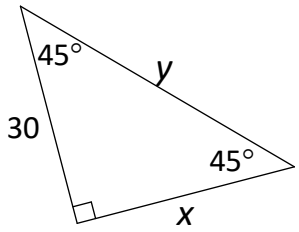
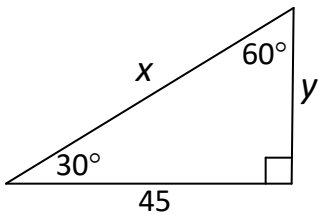
Special Right Triangles (Extra Practice)

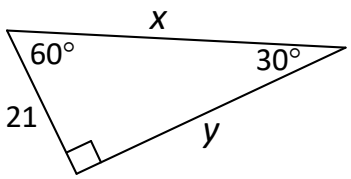
Find the values of *x* and *y* in each of the following triangles.

1. 

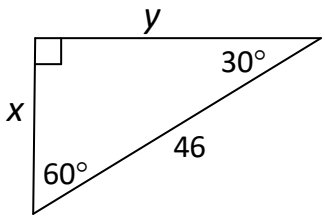
x = _____ y = _____

2. 

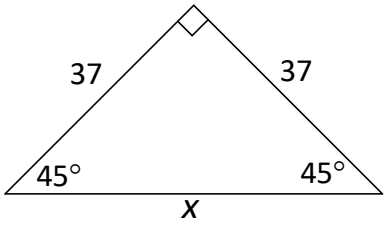
x = _____ y = _____

3. 

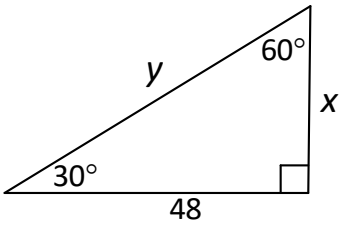
x = _____ y = _____

4. 

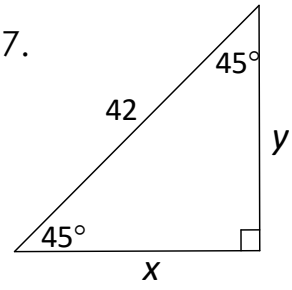
x = _____ y = _____

5. 

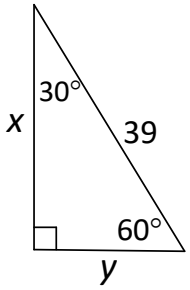
x = _____

6. 

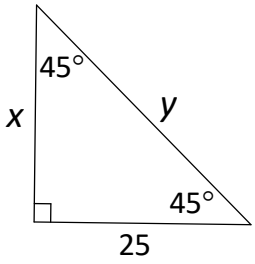
x = _____ y = _____

7. 

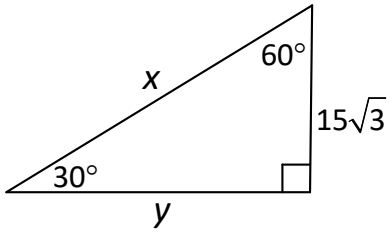
x = _____ y = _____

8. 

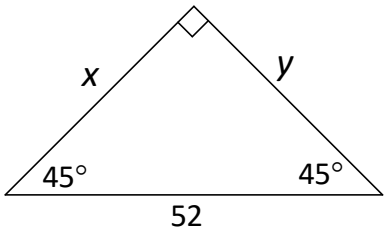
x = _____ y = _____

9. 

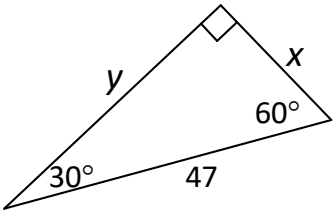
x = _____ y = _____

10. 

x = _____ y = _____

11. 

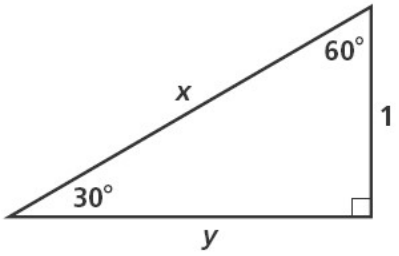
x = _____ y = _____

12. 

x = _____ y = _____

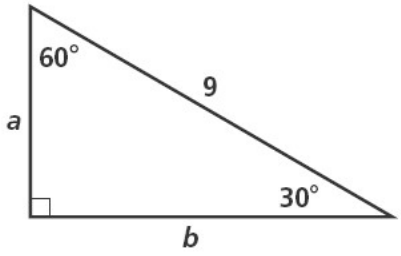
Find the value of each variable. Leave your answers in simplest radical form.

1.



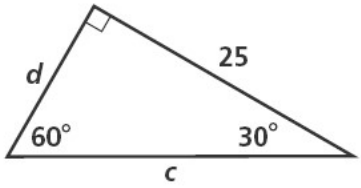
x = _____ ***y*** = _____

2.



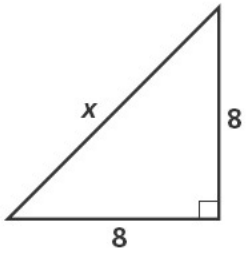
a = _____ ***b*** = _____

3.



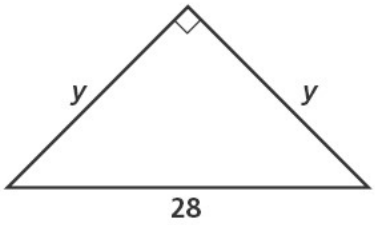
c = _____ ***d*** = _____

4.



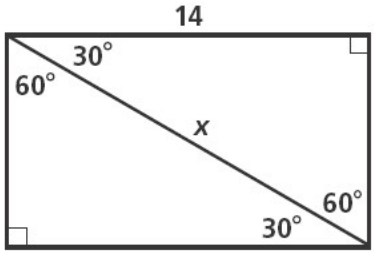
x = _____

5.



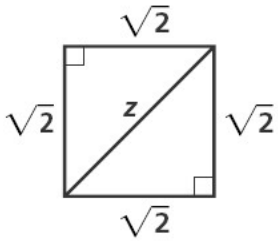
y = _____

6.



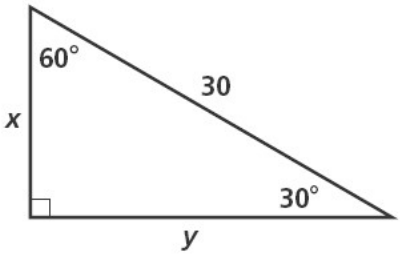
x = _____

7.



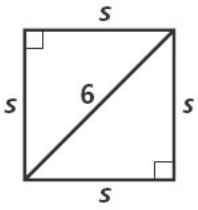
z = _____

8.



x = _____ ***y*** = _____

9.



s = _____

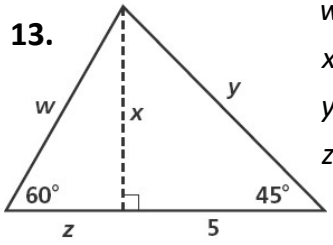
10. Find the length to the nearest centimeter of the diagonal of a square with 30 cm on a side.

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.

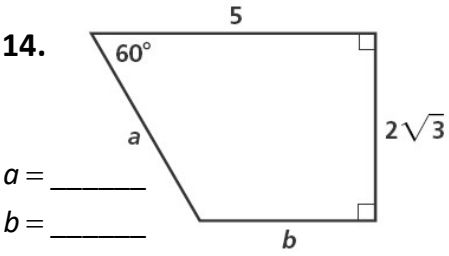
Algebra **Find the value of each variable. Leave your answers in simplest radical form.**

13.



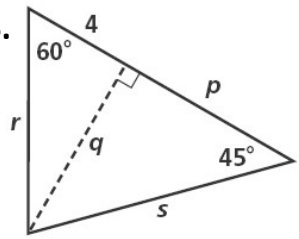
w = _____
x = _____
y = _____
z = _____

14.



a = _____
b = _____

15.



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