

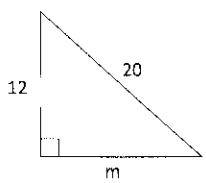
Combo Day

Name _____

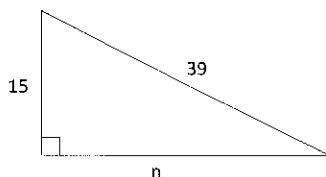
Period _____

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

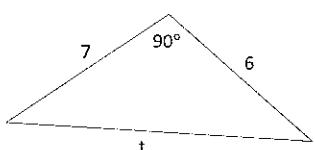
1. $m = \underline{\hspace{2cm}}$



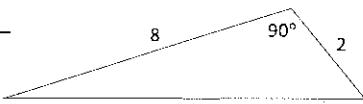
2. $n = \underline{\hspace{2cm}}$



3. $t = \underline{\hspace{2cm}}$

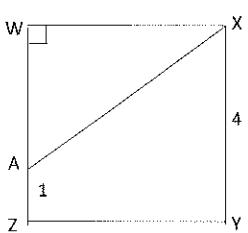


4. $c = \underline{\hspace{2cm}}$

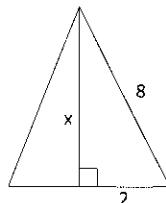


5. $AX = \underline{\hspace{2cm}}$

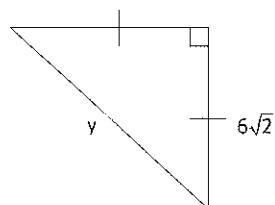
square WXYZ



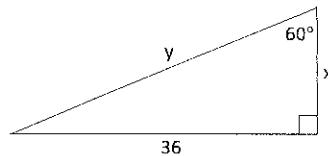
6. $x = \underline{\hspace{2cm}}$



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

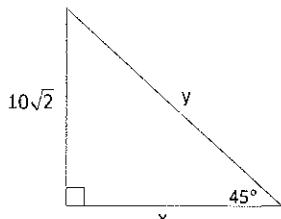


8. $x = \underline{\hspace{2cm}}$



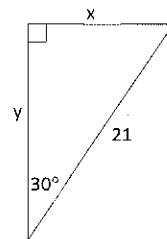
9. $x = \underline{\hspace{2cm}}$

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



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

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

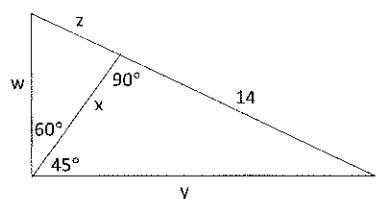


11. $w = \underline{\hspace{2cm}}$

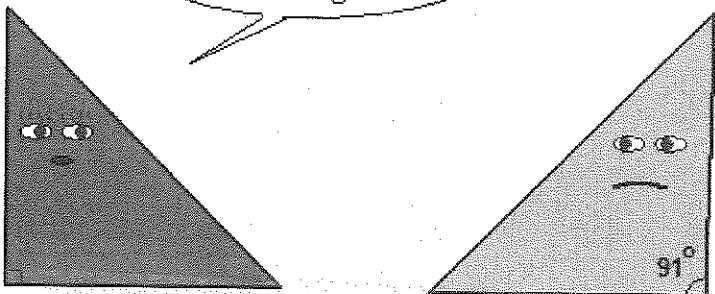
$x = \underline{\hspace{2cm}}$

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

$z = \underline{\hspace{2cm}}$



I'm sorry, Bob,
but I'm still looking for
Mr. Right.



There are times when being almost right just isn't good enough.

Name: _____ Hour: _____ Date: _____

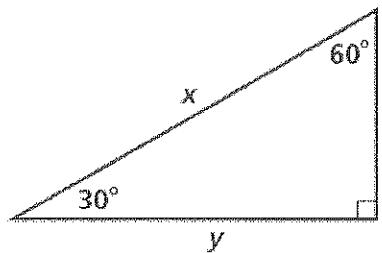
Practice 8-3

Special Right Triangles

• •

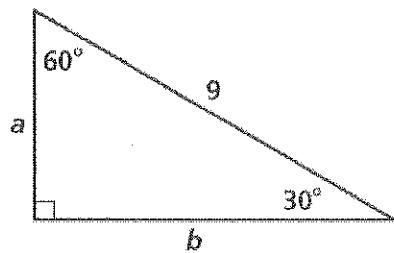
Find the value of each variable. Leave your answers in simplest radical form.

1.



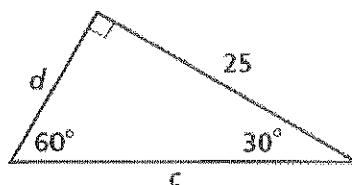
$$x = \underline{\hspace{2cm}} \quad y = \underline{\hspace{2cm}}$$

2.



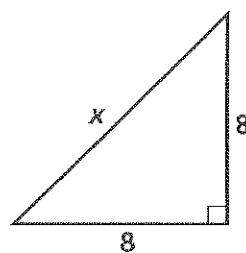
$$a = \underline{\hspace{2cm}} \quad b = \underline{\hspace{2cm}}$$

3.



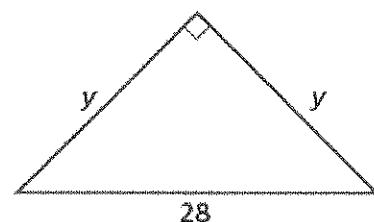
$$c = \underline{\hspace{2cm}} \quad d = \underline{\hspace{2cm}}$$

4.



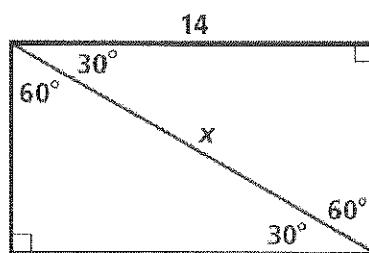
$$x = \underline{\hspace{2cm}}$$

5.



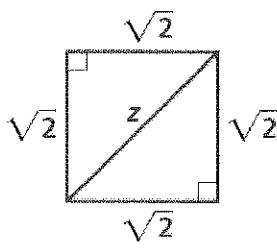
$$y = \underline{\hspace{2cm}}$$

6.



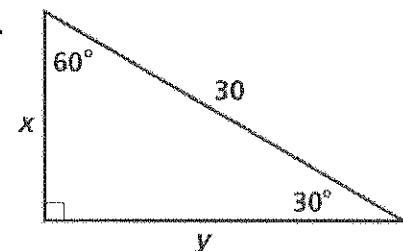
$$x = \underline{\hspace{2cm}}$$

7.



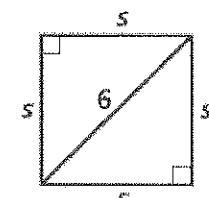
$$z = \underline{\hspace{2cm}}$$

8.



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

9.



$$s = \underline{\hspace{2cm}}$$

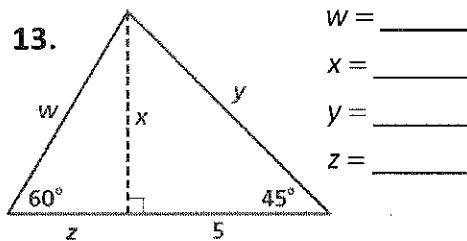
10. Find the length to the nearest centimeter of the diagonal of a square with 30 cm on a side.

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 $30^\circ - 60^\circ - 90^\circ$ 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.



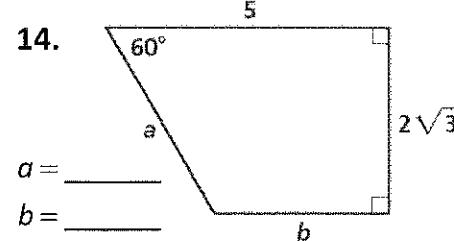
$$w = \underline{\hspace{2cm}}$$

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

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

$$z = \underline{\hspace{2cm}}$$

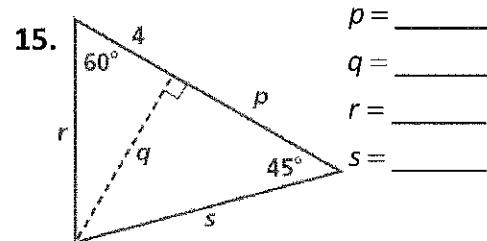
14.



$$a = \underline{\hspace{2cm}}$$

$$b = \underline{\hspace{2cm}}$$

15.



$$p = \underline{\hspace{2cm}}$$

$$q = \underline{\hspace{2cm}}$$

$$r = \underline{\hspace{2cm}}$$

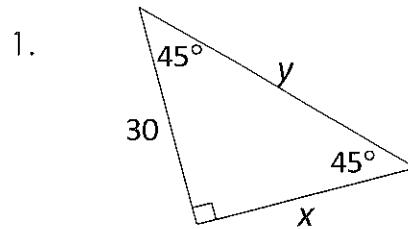
$$s = \underline{\hspace{2cm}}$$

Chapter 8

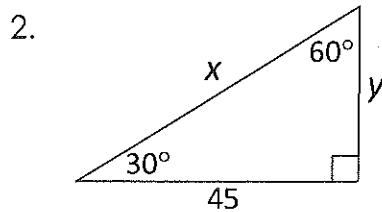
Practice Worksheet 1

(Use with section 8-3)

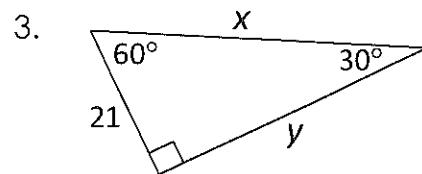
Find the values of x and y in each of the following triangles.



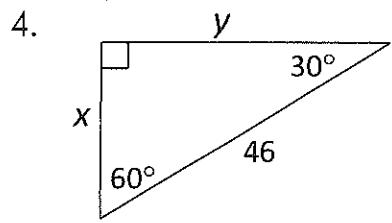
$$x = \underline{\hspace{2cm}} \quad y = \underline{\hspace{2cm}}$$



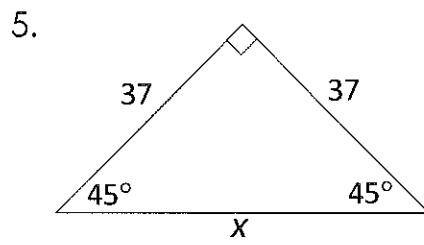
$$x = \underline{\hspace{2cm}} \quad y = \underline{\hspace{2cm}}$$



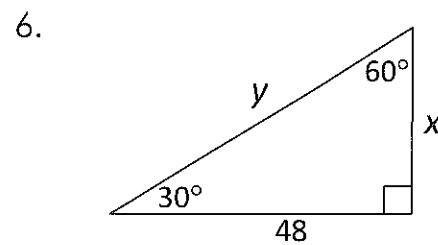
$$x = \underline{\hspace{2cm}} \quad y = \underline{\hspace{2cm}}$$



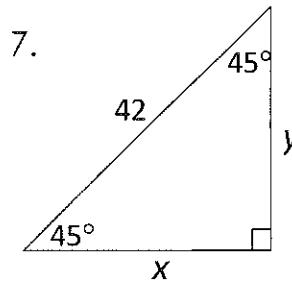
$$x = \underline{\hspace{2cm}} \quad y = \underline{\hspace{2cm}}$$



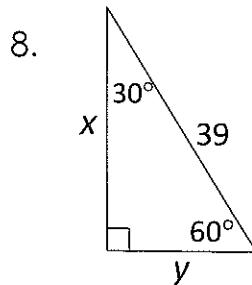
$$x = \underline{\hspace{2cm}}$$



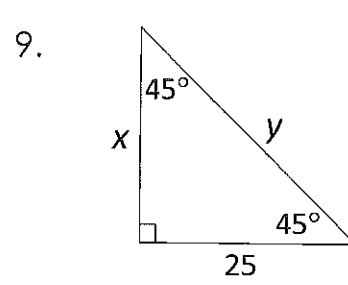
$$x = \underline{\hspace{2cm}} \quad y = \underline{\hspace{2cm}}$$



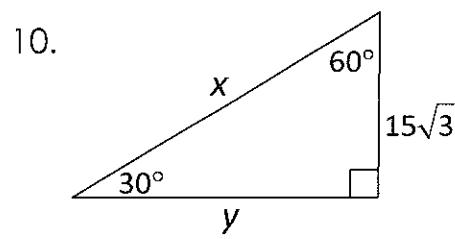
$$x = \underline{\hspace{2cm}} \quad y = \underline{\hspace{2cm}}$$



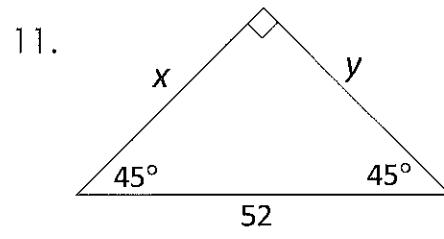
$$x = \underline{\hspace{2cm}} \quad y = \underline{\hspace{2cm}}$$



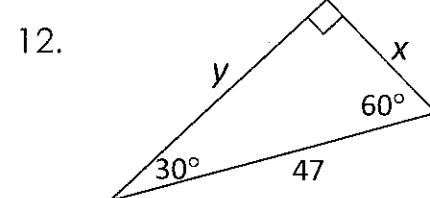
$$x = \underline{\hspace{2cm}} \quad y = \underline{\hspace{2cm}}$$



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



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



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