

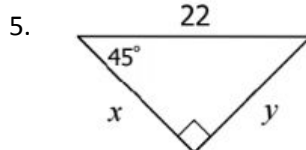
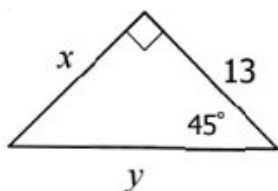
**Unit 6- Lesson 1 Hw – Special Right Triangles** (Show all solving work) Name: \_\_\_\_\_

**Fill in the blanks below with the word that best fits the sentence.**

Opposite      Adjacent      Hypotenuse

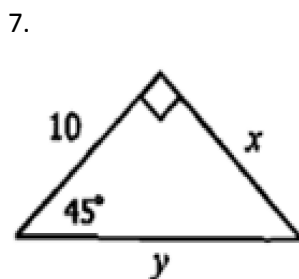
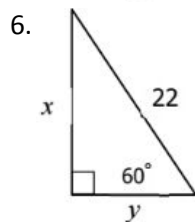
1. The \_\_\_\_\_ is directly across from the right angle of the triangle.
2. When looking at a specific angle, the \_\_\_\_\_ side is a common side with the given angle.
3. When looking at a specific angle, the \_\_\_\_\_ side is the side directly across from the angle.

**Find missing sides using the rules for 45-45-90 and 30-60-90 right triangles. (Hint: tic-tac-toe!)**



4.  $x =$  \_\_\_\_\_

$y =$  \_\_\_\_\_



5.  $x =$  \_\_\_\_\_

$y =$  \_\_\_\_\_

6.  $x =$  \_\_\_\_\_

$y =$  \_\_\_\_\_

7.  $x =$  .....

$y =$  .....

8.  $X =$  .....

$Y =$  .....

