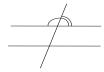
| | Name: | Date: | Period: |
|------|---|---------------------|--------------------------------------|
| | Worksheet 5.R: Introduction t A. For each problem below, draw a diag | - | • • |
| Lea1 | earning Goal: 1 can find the missing side of a right tr | iangle using the Py | thagorean Theorem. (8.G.7, 8.EE.2) |
| | 1. A triangle has legs of length 9 meters and hypotenuse? | d 40 meters. Wha | t is the length of the |
| | 2. Michelle is standing 12 feet from a tree. 37 feet. How tall is the tree? | The distance fron | n her feet to the top of the tree is |
| | 3. What is the perimeter of the triangle wit | h legs that are 8 a | and 15 inches long? |
| | 4. Claire threw her textbook on the ground If Claire is 63 inches tall, how far away is the | | |
| Lea1 | earning Goal: 1 can identify right triangles using the 5. Laura claims that her triangle is a right t she correct? | | |

| Name: | Date: | Period: |
|--|--------------------------|------------------------------|
| Worksheet 5.R: Introductio Learning Goal: 1 can find the distance between two | n to Geometry R | leview Chapter 5 |
| 6. Find the distance between points M(tenth if necessary. | -4, 6) and N(10, -5). Ro | und to the nearest |
| | | |
| | | |
| 7. Find the distance between A(5.5, 0) a necessary. | nd B(2.75, 4.5). Round | to the nearest tenth if |
| | | |
| 8. An archaeologist at a dig sets up a co | ordinate system using (| string Two similar artifacts |
| are found—one at position (1, 4) and the artifacts? Round to the nearest tenth of | e other at (5, 2). How f | 0 |
| | | |
| | | |
| | | |
| 9. Bryce is looking at a map of a theme party Bryce is at (2, 3). The roller coaster is at to the roller coaster or the water ride? | · _ | |

| Name: | Date: | Period: |
|-------|-------|---------|
| | _ = | |

Worksheet 5.R: Introduction to Geometry Review | Chapter 5 B. Fill in the blanks with the matching vocabulary term. Then write the definition of the new vocabulary term.

Learning Goal: I can classify angles as interior, exterior, vertical, alternate interior, alternate exterior, and corresponding angles.



Example

Supplementary Angles: Supplementary angles are angles that have a sum of 180 degrees.



1.



2._____



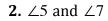
3._____

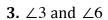


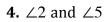
4._____

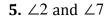
C. Classify each pair of angles appropriately using the picture below.

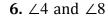
1. $\angle 1$ and $\angle 8$

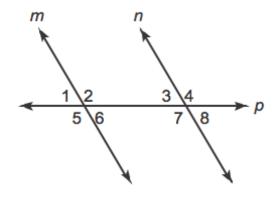












Worksheet 5.R: Introduction to Geometry Review | Chapter 5

D. If $m \angle 4 = 65^{\circ}$, find each given angle measure. How do you know this? <u>Justify.</u>

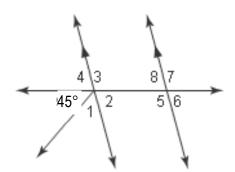
Learning Goal: 1 can find missing measures of angles formed by parallel lines and transversals. (8.G.5)





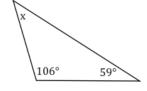




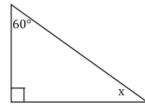


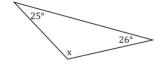
E. Find the missing angle measure in each of the following problems.

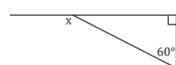
Learning Goal: I can find missing angles of triangles. (8.G.5)



2.









6.

A triangle has angles measuring 23° and 62°. What is the measure of the third angle?

- **7.** What is the sum of the angles in a triangle?
- **8.** What does "congruent" mean? (You may look this up in your textbook.)