



## Section 2.3

Name: \_\_\_\_\_

**For exercises 5-13, identify the statement as true or false. For each false statement, explain why it is false.**

5. The largest chord of a circle is a diameter of the circle.
6. The vertex of  $\angle TOP$  is point O.
7. An isosceles right triangle is a triangle with an angle measuring  $90^\circ$  and no two sides congruent.
8. If AB intersects CD in point E, then  $\angle AED$  and  $\angle BED$  form a linear pair of angles.
9. If two lines lie in the same plane and are perpendicular to the same line, then they are perpendicular.
10. The opposite sides of a kite are never parallel.
11. A rectangle is a parallelogram with all sides congruent.
12. A line segment that connects any two vertices in a polygon is called a diagonal.
13. To show that two lines are parallel, you mark them with the same number of arrowheads.