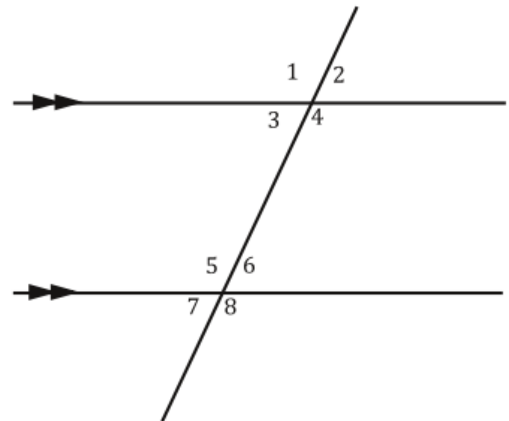


3.1-3.3 + Quiz REVIEW SHEET

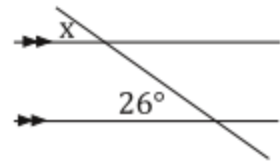
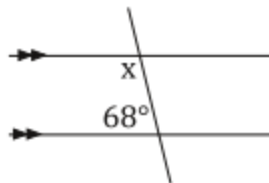
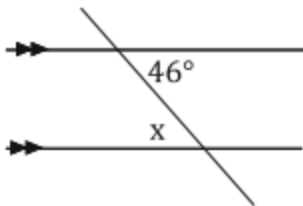
Name _____

Use the following picture to name the angle pairs. (alternate interior, alternate exterior, consecutive interior, corresponding, and vertical)

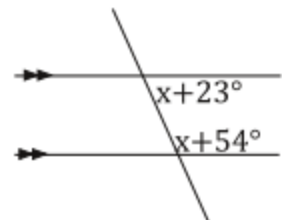
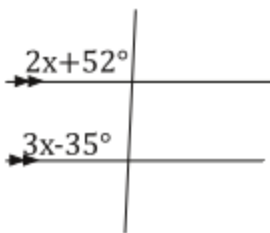
1. $\angle 2$ & $\angle 7$
2. $\angle 3$ & $\angle 6$
3. $\angle 8$ & $\angle 5$
4. $\angle 3$ & $\angle 5$
5. $\angle 1$ & $\angle 8$
6. $\angle 6$ & $\angle 7$



7. Find x



8. Find the measure of x . Show all work.



9. Use the points $A(-5,9)$ and $B(1,-9)$ to find the midpoint and distance. **SHOW ALL WORK!!!**

a. Midpoint

b. Distance $\sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$

10. A rectangle has a length of 16 inches and a width of 12 inches. Find the diagonal. DRAW A PICTURE AND SHOW WORK TO RECEIVE CREDIT!

11. Simplify the square roots. Show all work!

$$\sqrt{98}$$

$$(\sqrt{45})^2$$

$$5\sqrt{121} + \sqrt{100} - 3\sqrt{36}$$

12. Find the total degrees inside a 27-sided polygon. Write the formula and show work.

13.

- a. A line that intersects the circle at two points is called a _____
- b. Vertical angles are always _____
- c. A line that intersects a circle at one point is called a _____
- d. A segment that connects two points on a circle and contains the center is called a _____
- e. Two angles with a common side and a common vertex are called _____
- f. Two noncoplanar lines that don't intersect are called _____
- g. A figure with congruent sides and congruent angles is called _____
- h. Two coplanar lines that don't intersect are called _____
- i. Two lines that intersect to form four right angles are called _____
- j. Two angles that sum to 90 degrees are called _____
- k. A segment that connects two points on a circle is called a _____
- l. A segment with one end point at the center of a circle and the other endpoint on the circle _____
- m. Two angles that sum to 180 degrees are called _____