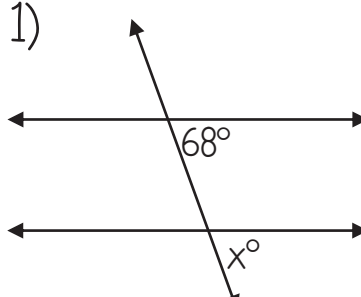
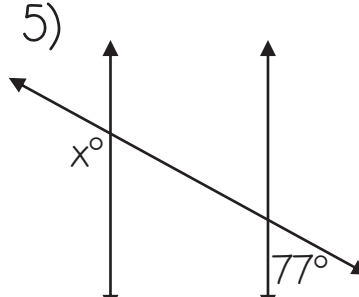
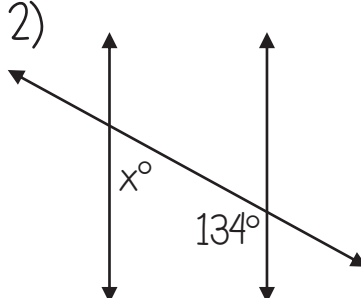


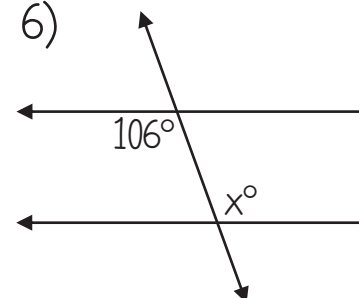
Angle Pairs Created by Parallel Lines Cut by a Transversal

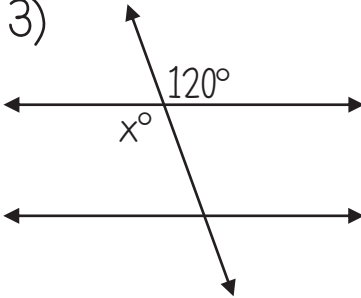
For each set of angles name the angle pair and find the missing measurement

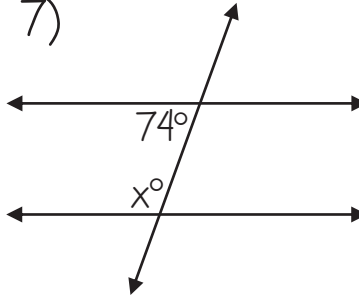
1)  Type of angle pair _____
 These angles are _____
 so... $x =$ _____

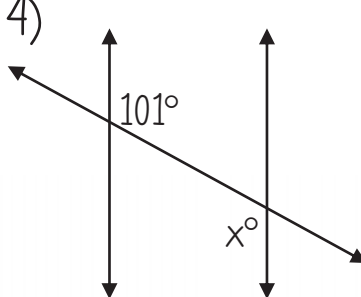
5)  Type of angle pair _____
 These angles are _____
 so... $x =$ _____

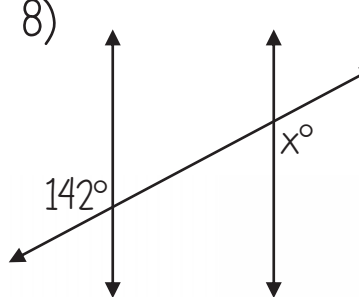
2)  Type of angle pair _____
 These angles are _____
 so... $x =$ _____

6)  Type of angle pair _____
 These angles are _____
 so... $x =$ _____

3)  Type of angle pair _____
 These angles are _____
 so... $x =$ _____

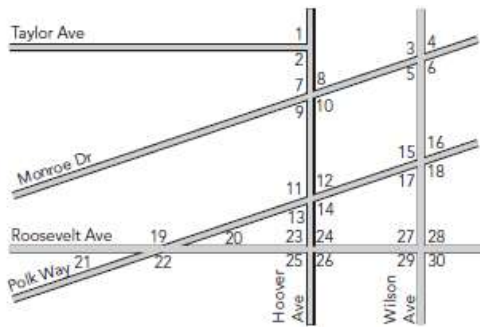
7)  Type of angle pair _____
 These angles are _____
 so... $x =$ _____

4)  Type of angle pair _____
 These angles are _____
 so... $x =$ _____

8)  Type of angle pair _____
 These angles are _____
 so... $x =$ _____

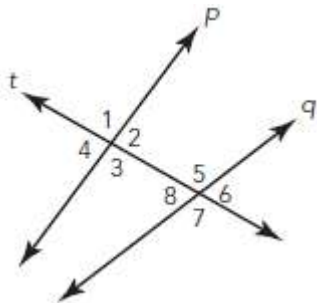
Skills Practice – Line and Angle Relationships

1 Use the map to answer each question. Assume the streets extend beyond the edges of the map.



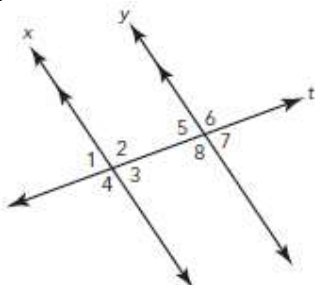
- a. Identify all the angles that are **same-side exterior** to $\angle 11$.
- b. Identify all the angles that are **alternate interior** to $\angle 11$.
- c. Identify all the angles that are **corresponding** to $\angle 11$.
- d. Identify all the angles that are **vertical** to $\angle 11$.

2 In the diagram, transversal t intersects lines p and q . Classify each pair of angles as vertical, linear, corresponding, same-side exterior, same-side interior, alternate interior, or alternate exterior.



- a. angle 1 and angle 2
- b. angle 1 and angle 3
- c. angle 1 and angle 6
- d. angle 3 and angle 7
- e. angle 2 and angle 8
- f. angle 1 and angle 7
- g. angle 4 and angle 7
- h. angle 6 and angle 8
- i. angle 3 and angle 4
- j. angle 2 and angle 6
- k. angle 2 and angle 5
- l. angle 3 and angle 5

3 Use the diagram to answer each question.



- a. Identify the angles that are congruent to $\angle 6$.
- b. Identify the angles that are supplementary to $\angle 3$.
- c. Identify the angles that are supplementary to $\angle 6$.
- d. Identify the angles that are congruent to $\angle 3$.