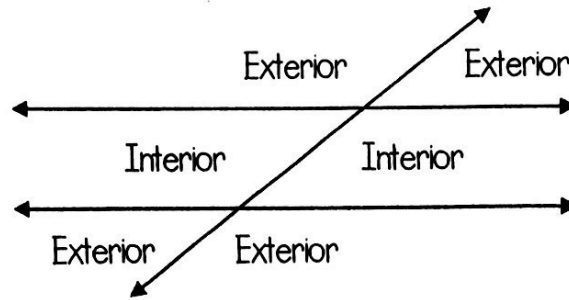


# Angle Pairs Created by Parallel Lines Cut by a Transversal

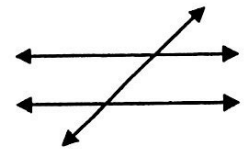
## Vocabulary

- \_\_\_\_\_ - A line that crosses parallel lines to create pairs of congruent and supplementary angles
- \_\_\_\_\_ - Having the same measurement
- \_\_\_\_\_ - Angles that add up to  $180^\circ$

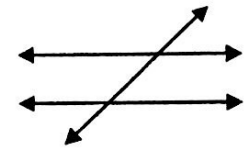
## Angle Pairs in Parallel Lines Cut by a Transversal



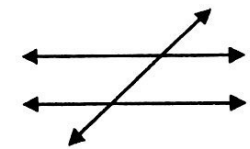
- \_\_\_\_\_ - Angles that lie on the same side of the transversal and on the same side of the parallel lines. These angles are in the same "corner" and are congruent



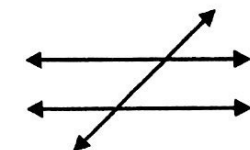
- \_\_\_\_\_ - Angles on opposite sides of the transversal and inside the two parallel lines. These angles are congruent



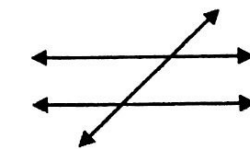
- \_\_\_\_\_ - Angles on opposite sides of the transversal and outside the parallel lines. These angles are congruent



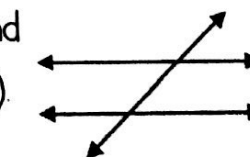
- \_\_\_\_\_ - Angles on the same side of the transversal and inside the parallel lines. These angles are supplementary



- \_\_\_\_\_ - Angles on the same side of the transversal and outside the parallel lines. These angles are supplementary

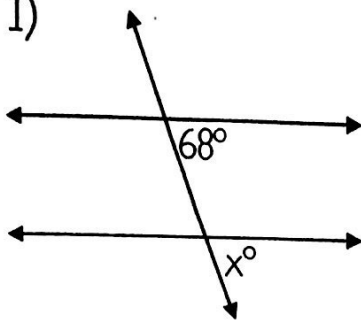


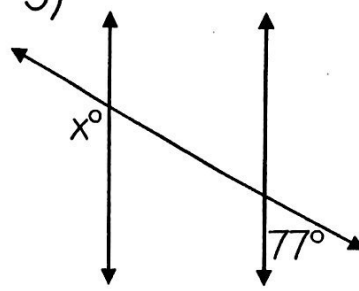
- \_\_\_\_\_ - Angles that are across from each other and are formed by any intersecting lines (not just parallel lines and transversals). These angles are congruent.

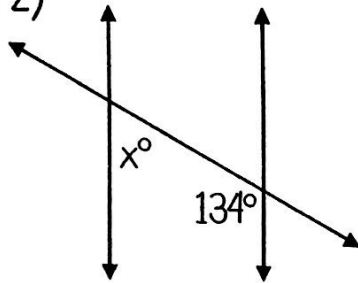


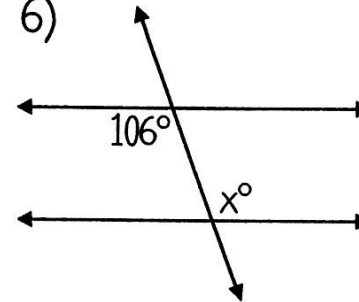
# Angle Pairs Created by Parallel Lines Cut by a Transversal

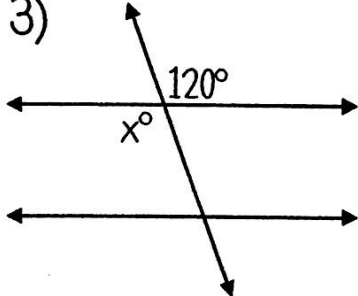
For each set of angles name the angle pair and find the missing measurement

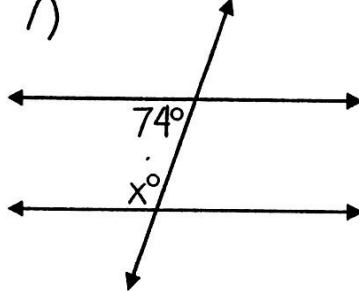
1)  Type of angle pair \_\_\_\_\_  
 These angles are \_\_\_\_\_  
 so...  $x =$  \_\_\_\_\_

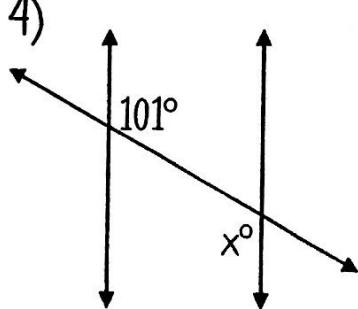
5)  Type of angle pair \_\_\_\_\_  
 These angles are \_\_\_\_\_  
 so...  $x =$  \_\_\_\_\_

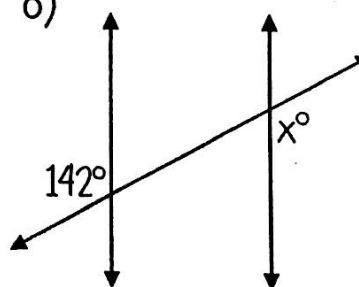
2)  Type of angle pair \_\_\_\_\_  
 These angles are \_\_\_\_\_  
 so...  $x =$  \_\_\_\_\_

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