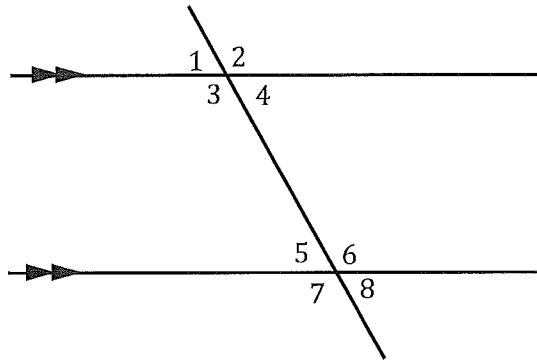




For each, state the angle relationship.



1. Angle  $\angle 1$  and  $\angle 8$  are...

alternate exterior angles

2. Angle  $\angle 3$  and  $\angle 5$  are...

3. Angle  $\angle 1$  and  $\angle 5$  are...

\_\_\_\_\_

4. Angle  $\angle 4$  and  $\angle 8$  are...

\_\_\_\_\_

5. Angle  $\angle 2$  and  $\angle 6$  are...

\_\_\_\_\_

6. Angle  $\angle 4$  and  $\angle 5$  are...

\_\_\_\_\_

7. Angle  $\angle 2$  and  $\angle 7$  are...

\_\_\_\_\_

8. Angle  $\angle 3$  and  $\angle 6$  are...

\_\_\_\_\_

9. Angle  $\angle 4$  and  $\angle 6$  are...

\_\_\_\_\_

10. Angle  $\angle 3$  and  $\angle 7$  are...

\_\_\_\_\_

The next set might have some from other sections! You can do it!

11. Angle  $\angle 7$  and  $\angle 6$  are...

vertical angles

12. Angle  $\angle 5$  and  $\angle 7$  are...

\_\_\_\_\_

13. Angle  $\angle 1$  and  $\angle 4$  are...

\_\_\_\_\_

14. Angle  $\angle 6$  and  $\angle 3$  are...

\_\_\_\_\_

15. Angle  $\angle 5$  and  $\angle 6$  are...

\_\_\_\_\_

16. Angle  $\angle 7$  and  $\angle 8$  are...

\_\_\_\_\_

17. Angle  $\angle 7$  and  $\angle 3$  are...

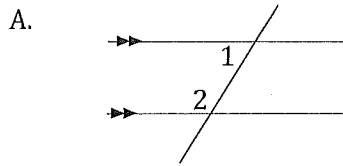
\_\_\_\_\_

18. Angle  $\angle 5$  and  $\angle 8$  are...

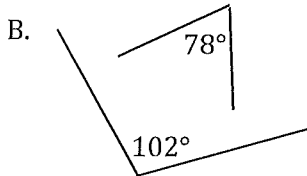
\_\_\_\_\_

Okay good, you're getting faster at it I bet. Let's do some matching. Write the letter of each picture in the right column in the blank next to its description in the left column.

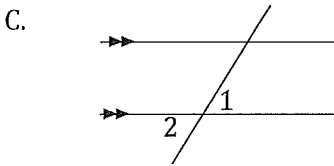
\_\_\_\_\_1. alternate interior angles



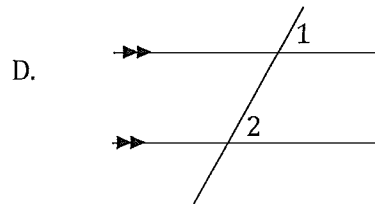
\_\_\_\_\_2. corresponding angles



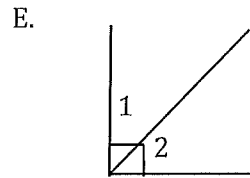
\_\_\_\_\_3. alternate exterior angles



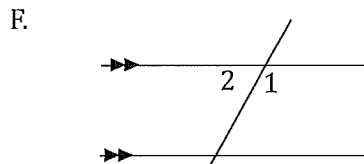
\_\_\_\_\_4. complementary angles



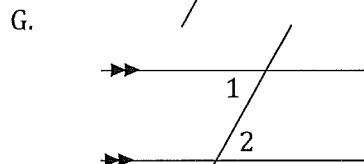
\_\_\_\_\_5. vertical angles



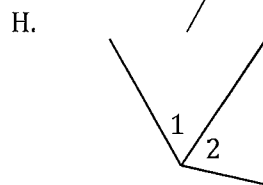
\_\_\_\_\_6. supplementary angles



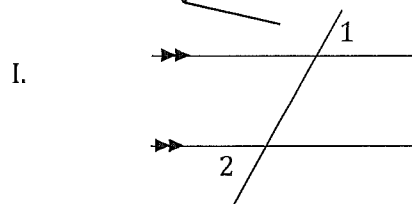
\_\_\_\_\_7. linear pair



\_\_\_\_\_8. consecutive angles

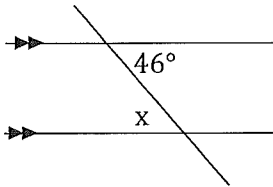


\_\_\_\_\_9. adjacent angles

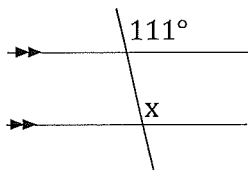


On these state the angle relationship, write a statement about whether they add to  $180^\circ$  or are equal, and solve for  $x$  if necessary.

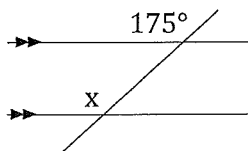
1.



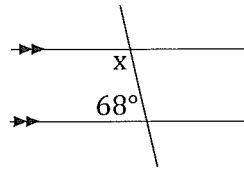
3.



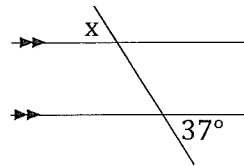
6.



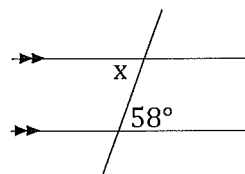
2.



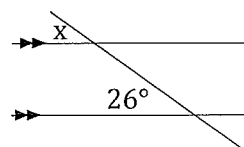
4.



5.



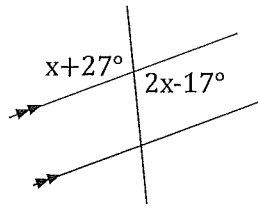
7.



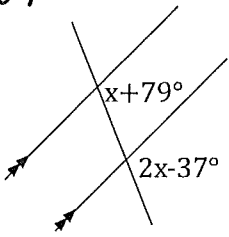
Bubble all the correct answers from above. Don't bubble incorrect answers.

$37^\circ$    $143^\circ$    $69^\circ$    $46^\circ$    $175^\circ$    $122^\circ$    $58^\circ$    $68^\circ$    $154^\circ$    $26^\circ$    $64^\circ$    $112^\circ$    $75^\circ$    $111^\circ$

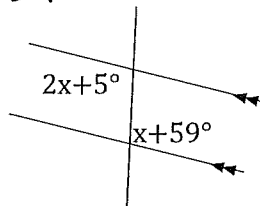
8.)



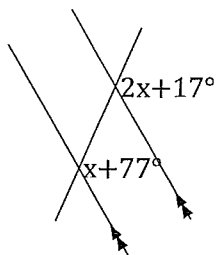
10.)



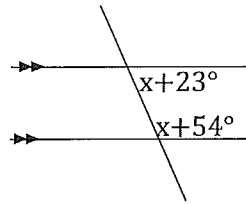
12.)



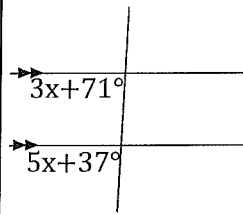
14.)



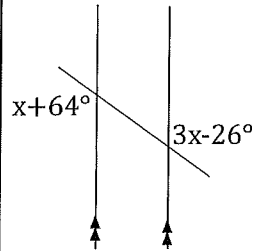
9.)



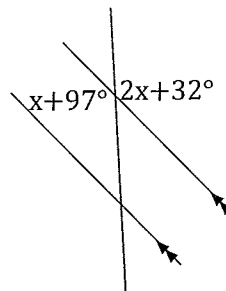
11.)



13.)



15.)



Bubble all the correct answers from above. Don't bubble incorrect answers.

- 31°  
  116°  
  20°  
  17°  
  54°  
  98°  
  51.5°  
  45°  
  60°  
  72.5°  
  65°  
  44°  
  30.5°  
  24°