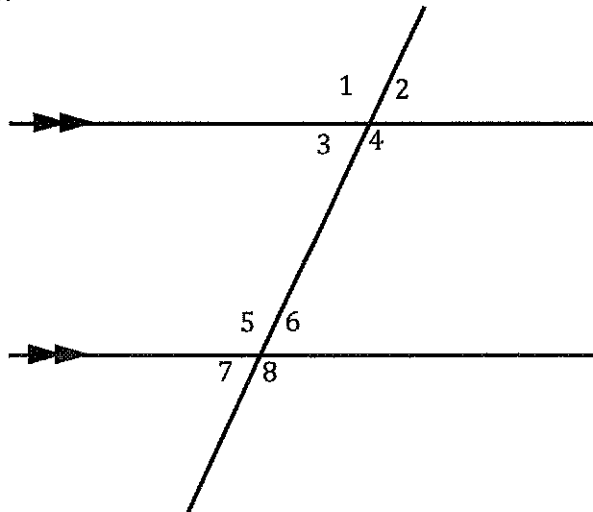


For our first exercise, bubble the correct answer choice for each item below. Refer to the previous pages if you need to.

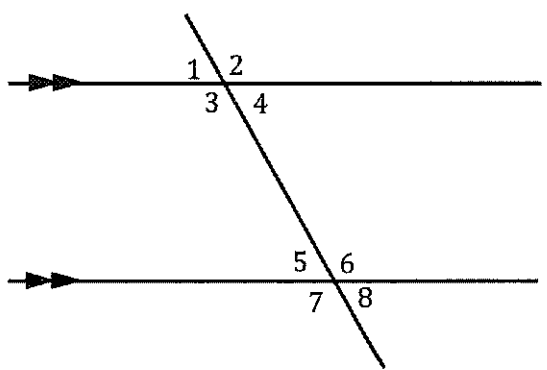


- | | | |
|--------------------------------------|--|-------------------------------------|
| 1. $\angle 1$ and $\angle 5$ are... | 2. $\angle 8$ and $\angle 4$ are... | 3. $\angle 2$ and $\angle 7$ are... |
| A. Corresponding | A. Corresponding | A. Corresponding |
| B. Alternate Interior | B. Alternate Interior | B. Alternate Interior |
| C. Alternate Exterior | C. Alternate Exterior | C. Alternate Exterior |
| D. Consecutive | D. Consecutive | D. Consecutive |
| 4. $\angle 3$ and $\angle 6$ are... | 5. $\angle 6$ and $\angle 4$ are... | 6. $\angle 2$ and $\angle 6$ are... |
| A. Corresponding | A. Corresponding | A. Corresponding |
| B. Alternate Interior | B. Alternate Interior | B. Alternate Interior |
| C. Alternate Exterior | C. Alternate Exterior | C. Alternate Exterior |
| D. Consecutive | D. Consecutive | D. Consecutive |
| 7. $\angle 4$ and $\angle 5$ are... | 8. $\angle 1$ and $\angle 8$ are... | 9. $\angle 3$ and $\angle 5$ are... |
| A. Corresponding | A. Corresponding | A. Corresponding |
| B. Alternate Interior | B. Alternate Interior | B. Alternate Interior |
| C. Alternate Exterior | C. Alternate Exterior | C. Alternate Exterior |
| D. Consecutive | D. Consecutive | D. Consecutive |
| 10. $\angle 4$ and $\angle 8$ are... | Great Job, these are tough to remember which is which. If you are struggling, go back and try to memorize what each one looks like. (like remembering a picture) If you do that these will become very easy. Let's do some more! | |
| A. Corresponding | | |
| B. Alternate Interior | | |
| C. Alternate Exterior | | |
| D. Consecutive | | |

Bubble the correct answer choice from each item above.

#1.	#2.	#3.	#4.	#5.	#6.	#7.	#8.	#9.	#10.
<input type="radio"/> A.	<input type="radio"/> A.	<input type="radio"/> A.	<input type="radio"/> A.	<input type="radio"/> A.	<input type="radio"/> A.	<input type="radio"/> A.	<input type="radio"/> A.	<input type="radio"/> A.	<input type="radio"/> A.
<input type="radio"/> B.	<input type="radio"/> B.	<input type="radio"/> B.	<input type="radio"/> B.	<input type="radio"/> B.	<input type="radio"/> B.	<input type="radio"/> B.	<input type="radio"/> B.	<input type="radio"/> B.	<input type="radio"/> B.
<input type="radio"/> C.	<input type="radio"/> C.	<input type="radio"/> C.	<input type="radio"/> C.	<input type="radio"/> C.	<input type="radio"/> C.	<input type="radio"/> C.	<input type="radio"/> C.	<input type="radio"/> C.	<input type="radio"/> C.
<input type="radio"/> D.	<input type="radio"/> D.	<input type="radio"/> D.	<input type="radio"/> D.	<input type="radio"/> D.	<input type="radio"/> D.	<input type="radio"/> D.	<input type="radio"/> D.	<input type="radio"/> D.	<input type="radio"/> D.

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... _____

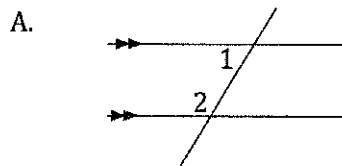
16. Angle $\angle 7$ and $\angle 8$ are... _____

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

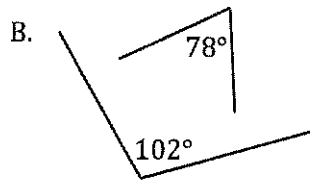
18. Angle $\angle 5$ and $\angle 8$ are... _____

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.

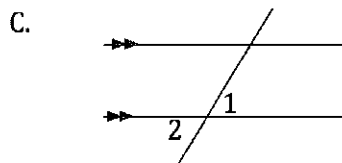
_____ 1. alternate interior angles



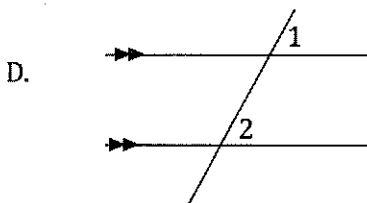
_____ 2. corresponding angles



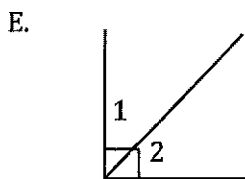
_____ 3. alternate exterior angles



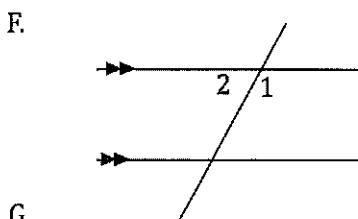
_____ 4. complementary angles



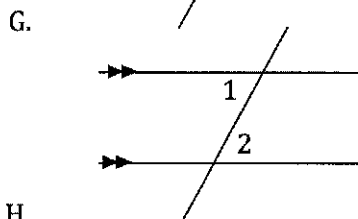
_____ 5. vertical angles



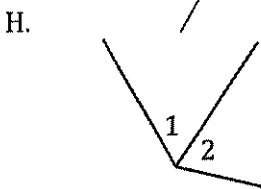
_____ 6. supplementary angles



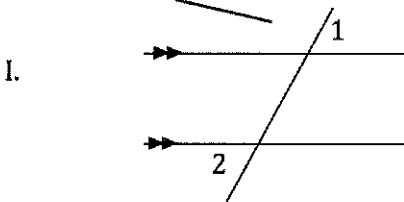
_____ 7. linear pair



_____ 8. consecutive angles

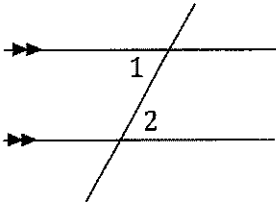


_____ 9. adjacent angles



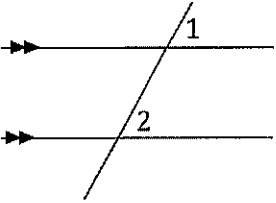
Let's take it up a notch... for each, write the angle relationship you see in the picture and a statement of whether the angles are equal or add to 180° .

1. This one is done for you so you know what to do.

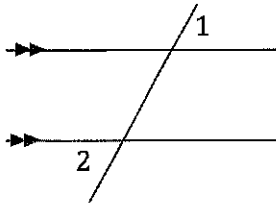


Alternate exterior, $m\angle 1 = m\angle 2$

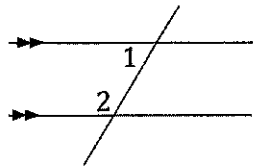
3.



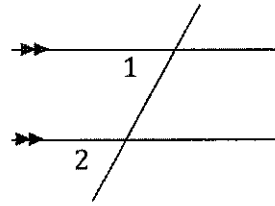
5.



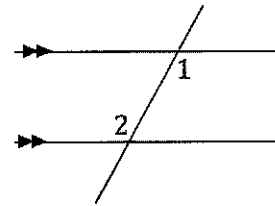
8.



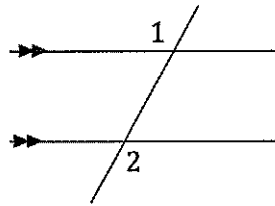
2.



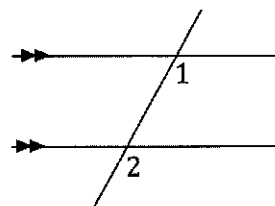
4.



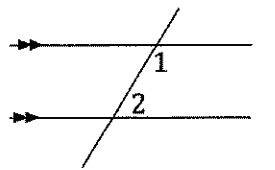
6.



7.



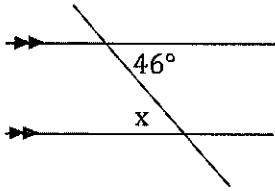
9.



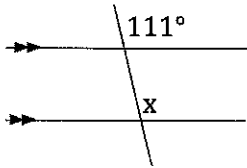
Great job!!

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

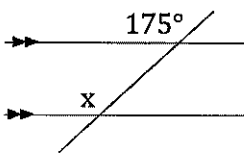
1. This one is done for you so you know what to do.



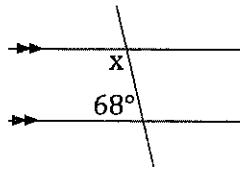
3.



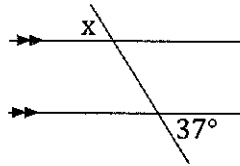
6.



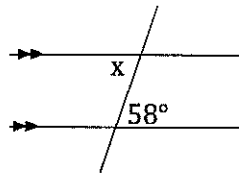
2.



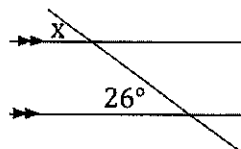
4.



5.



7.

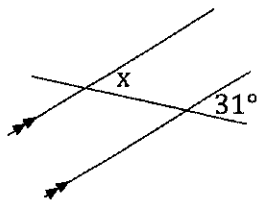


Bubble all the correct answers from above. Don't bubble incorrect answers.

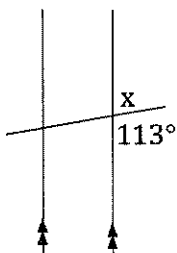
- 37° 143° 69° 46° 175° 122° 58° 68° 154° 26° 64° 112° 75° 111°

Don't worry about these, they are just rotated.

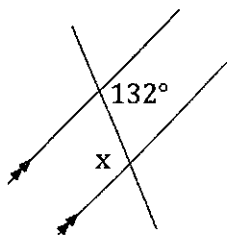
8.



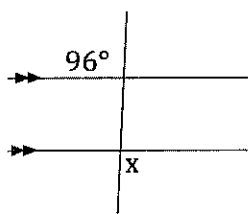
10.



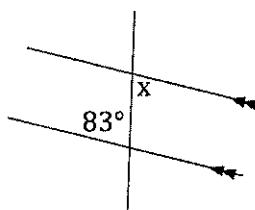
12.



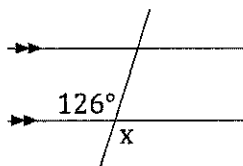
14.



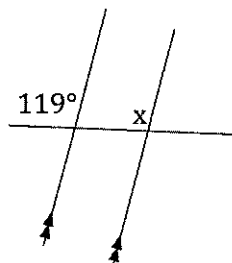
9.



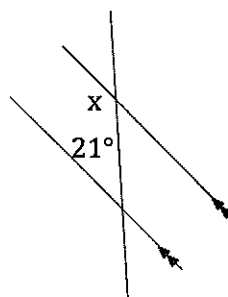
11.



13.



15.



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

31° 132° 54° 96° 159° 122° 83° 119° 154° 113° 67° 52° 58° 126°

FINDING UNKNOWN ANGLE MEASURES #2

Directions: For each set of parallel lines, you are given the measure of one angle. Use your knowledge of parallel lines and transversals to find the measures of each other angle.

Example: Given an angle of 150°

