

# Practice Worksheet for Lesson 3-1

Name:

Mailbox #:

Classify each pair of angles as alternate interior angles, same-side interior angles, or corresponding angles.

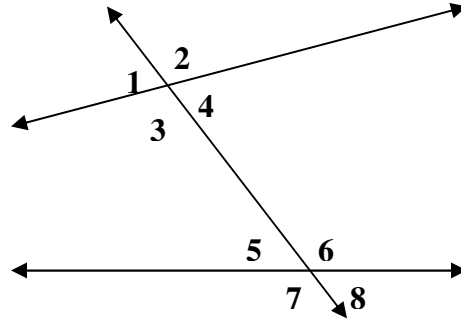
1)  $\angle 1$  and  $\angle 5$

2)  $\angle 4$  and  $\angle 6$

3)  $\angle 3$  and  $\angle 6$

4)  $\angle 4$  and  $\angle 8$

5)  $\angle 4$  and  $\angle 5$



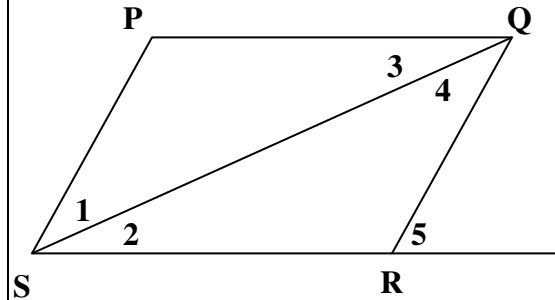
Name the two lines and the transversal that form each pair of angles.

6)  $\angle 2$  and  $\angle 3$

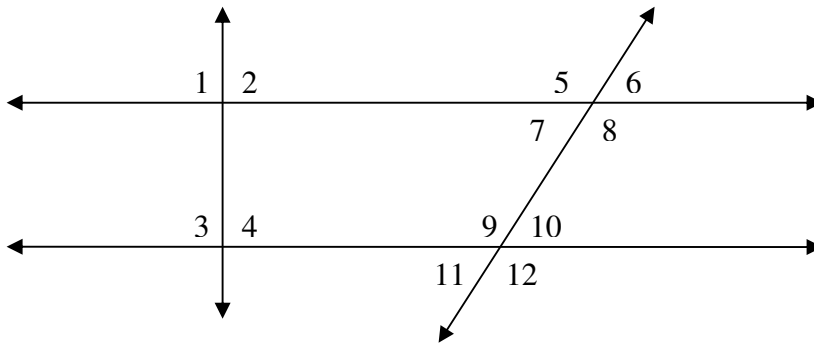
7)  $\angle 1$  and  $\angle 4$

8)  $\angle P$  and  $\angle PSR$

9)  $\angle 5$  and  $\angle PSR$



10) Use your protractor to measure each of the numbered angles



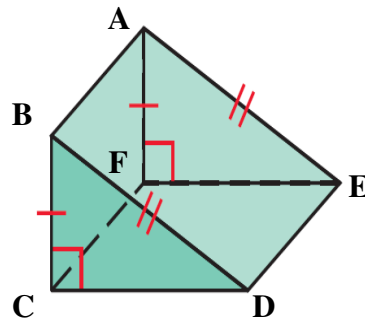
Use the diagram to name each of the following.

11) Name three pairs of parallel lines

12) Name three pairs of intersecting lines

13) Name three pairs of skew lines

14) Name one pair of parallel planes



Complete each statement with *always*, *sometimes*, or *never*.

15) When a transversal intersects two other lines, the three lines are \_\_\_\_\_ coplanar.

16) Three lines intersecting in one point are \_\_\_\_\_ coplanar.

17) Two lines that are not coplanar \_\_\_\_\_ intersect.

18) Two lines skew to a third line are \_\_\_\_\_ skew to each other.

19) Two planes parallel to the same plane are \_\_\_\_\_ parallel to each other.

20) Lines in two parallel planes are \_\_\_\_\_ parallel to each other.