**SIDE 1 Ch 3.1 Parallel Lines and Transversals**



!. What are the names of the 2 main lines?

2. Are the 2 main lines parallel?

3. What is the name of the transversal?

4. How would you define a transversal?

5. Fill in the chart by naming angle pairs:

|  |  |  |  |
| --- | --- | --- | --- |
| **Corresponding Angles** | **Alternate Interior Angles** | **Alternate Exterior Angles** | **Consecutive Interior Angles** |
|  \_\_\_\_\_ and \_\_\_\_\_\_ |  \_\_\_\_\_ and \_\_\_\_\_\_ |  \_\_\_\_\_ and \_\_\_\_\_\_ |  \_\_\_\_\_ and \_\_\_\_\_\_ |
|  \_\_\_\_\_ and \_\_\_\_\_\_ |  \_\_\_\_\_ and \_\_\_\_\_\_ |  \_\_\_\_\_ and \_\_\_\_\_\_ |  \_\_\_\_\_ and \_\_\_\_\_\_ |
|  \_\_\_\_\_ and \_\_\_\_\_\_ |  |  |  |
|  \_\_\_\_\_ and \_\_\_\_\_\_ |  |  |  |

**SIDE 2 Ch 3.1 Parallel Lines and Transversals**

|  |  |
| --- | --- |
|  | **6. Directions:** M**easure** all of the angles. Ask for help if you don’t know how to use a protractor.**Hint:** use a ruler to extend the lines if they aren’t long enough!1. \_\_\_\_\_\_\_\_\_\_\_\_
2. \_\_\_\_\_\_\_\_\_\_\_\_
3. \_\_\_\_\_\_\_\_\_\_\_\_
4. \_\_\_\_\_\_\_\_\_\_\_\_
5. \_\_\_\_\_\_\_\_\_\_\_\_
6. \_\_\_\_\_\_\_\_\_\_\_\_
7. \_\_\_\_\_\_\_\_\_\_\_\_
8. \_\_\_\_\_\_\_\_\_\_\_\_
 |

7. Fill in the chart by naming angle pairs:

|  |  |  |  |
| --- | --- | --- | --- |
| **Corresponding Angles** | **Alternate Interior Angles** | **Alternate Exterior Angles** | **Consecutive Interior Angles** |
|  \_\_\_\_\_ and \_\_\_\_\_\_ |  \_\_\_\_\_ and \_\_\_\_\_\_ |  \_\_\_\_\_ and \_\_\_\_\_\_ |  \_\_\_\_\_ and \_\_\_\_\_\_ |
|  \_\_\_\_\_ and \_\_\_\_\_\_ |  \_\_\_\_\_ and \_\_\_\_\_\_ |  \_\_\_\_\_ and \_\_\_\_\_\_ |  \_\_\_\_\_ and \_\_\_\_\_\_ |
|  \_\_\_\_\_ and \_\_\_\_\_\_ |  |  |  |
|  \_\_\_\_\_ and \_\_\_\_\_\_ |  |  |  |

**Answer the following questions**:

**8. Compare** the measures of the pairs of **corresponding angles**. Guess at the missing word.

“Corresponding Angles are\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**9. Compare** the measures of the pairs of **alternate interior angles**. Guess at the missing word.

 “Alternate Interior Angles are \_\_\_\_\_\_\_\_\_\_\_\_\_”

**10. Compare** the measures of the pairs of **alternate exterior angles**. Guess at the missing word.

“Alternate Exterior Angles are \_\_\_\_\_\_\_\_\_\_\_\_\_”

**11. Compare** the measures of the pairs of **consecutive interior angles**. Guess at the missing word.

“Consecutive Interior Angles add up to \_\_\_\_\_\_\_\_\_\_\_\_\_”

**12**. Do you think it matters if the two main lines are parallel? (Compare to the lines on the other side)