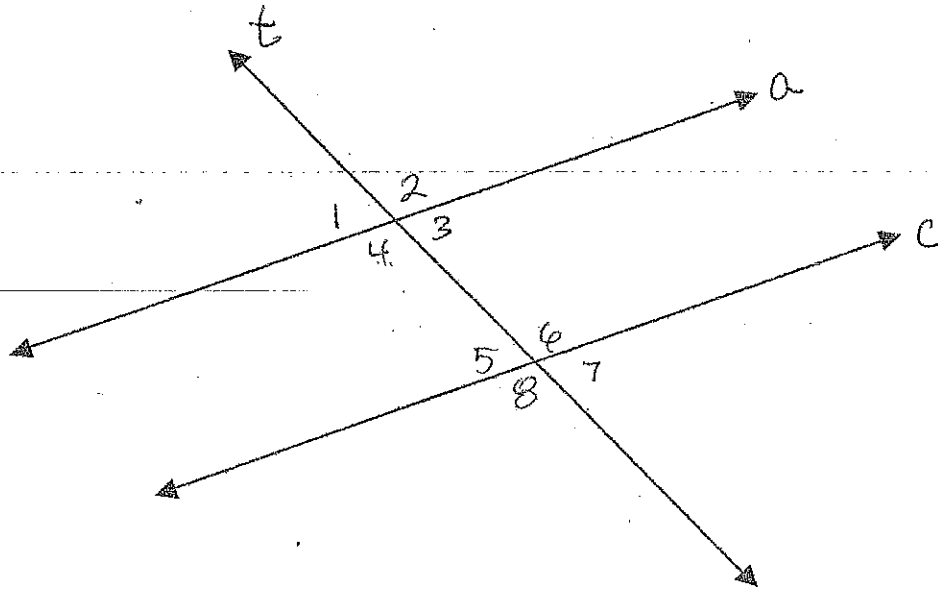


Geometry 3-1 Notes Parallel lines and Angles

1. Using the parallel lines below, measure all eight angles with a protractor—be precise.



*Corresponding Angles: _____

*Vertical Angles: _____

*Same Side Interior Angles: _____

*Alternate Interior Angles: _____

2. What can we conclude about the four types of angles listed above;

Corresponding Angles are always _____

Vertical Angles are always _____

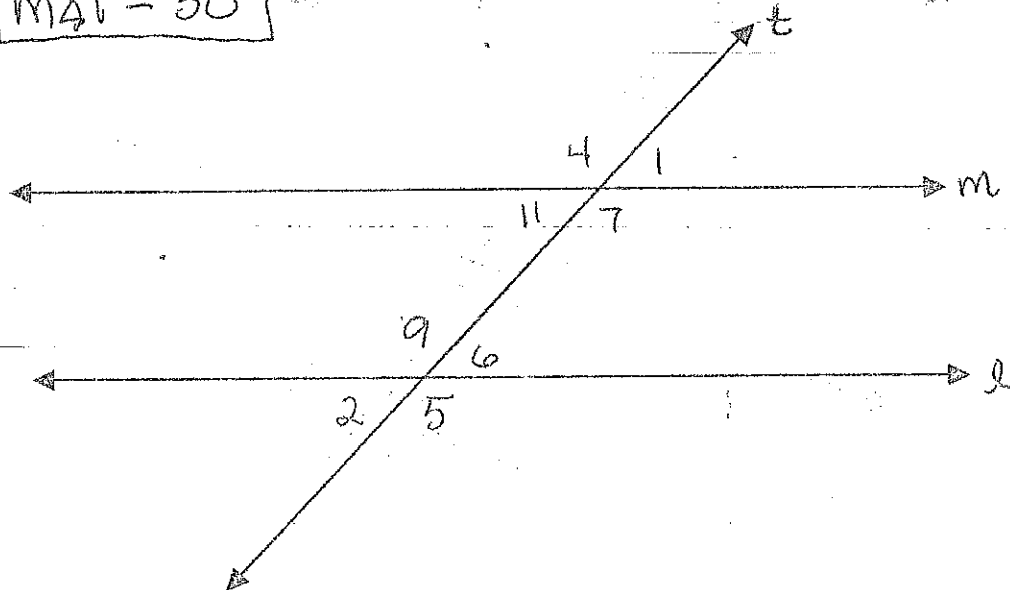
Same Side Interior Angles are always _____

Alternate Interior Angles are always _____

3. Will we need to use a protractor when looking at parallel lines and a given transversal to identify angle measures? If we are given one of the eight missing angles, could we figure out all of the rest?

4. Use the parallel lines below and the given information to find the missing angle measures. Be sure to list what numbers go with what type of angle listed below.

$$m\angle 1 = 50^\circ$$



Corresponding: _____

Vertical: _____

Same Side Interior: _____

Alternate Interior: _____