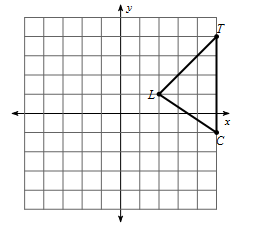
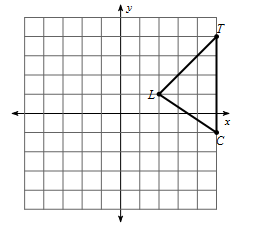
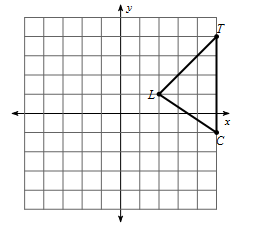
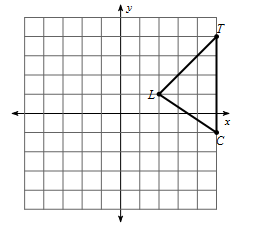
YL Honors Math 2 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Unit 6 Lesson 2 Homework: Reflections**

**I. Graph Each by**

 1. Reflecting the shape over the x – axis: 2. Reflecting the shape over the y - axis:

 3. Reflecting the shape over the line 4. Reflecting the shape over the line

**II. Write the ordered pair to reflect each set of points – use your rules to help you!**

5. and over the y-axis 6. andover the line

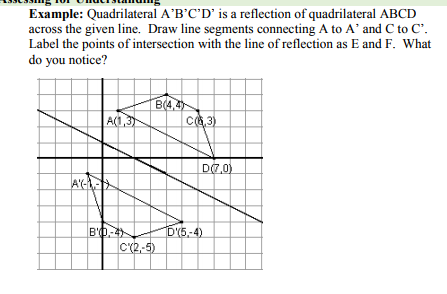
7. and over the line 8. and over the x-axis

**III. Write a function rule to represent the transformation that would map the given domain to the given range. Describe the transformation using mathematical vocabulary.**

1. Domain: 10. Domain:

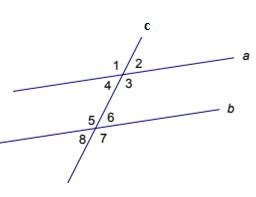
Range: Range:

**IV. Quadrilateral is a reflection of quadrilateral across the given line.**



1. Draw line segments connecting to and to
2. Label the points of intersection with the line of reflection as E and F.
3. Mark each statement as true or false.
   1. and are equidistant from the line of reflection.
   2. and are equidistant from the line of reflection.
   3. This reflection is equivalent to a
   4. The quadrilaterals are reflected over the line

**V. Review**

****

1. Name the type of each given angle pair if and is cut by transversal c.
2. Using the figure in #14 above, find the measure of the remaining angles if you know .