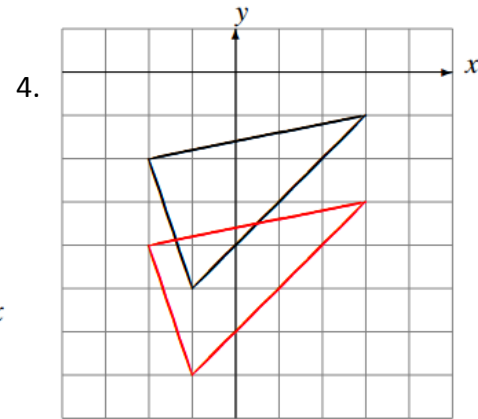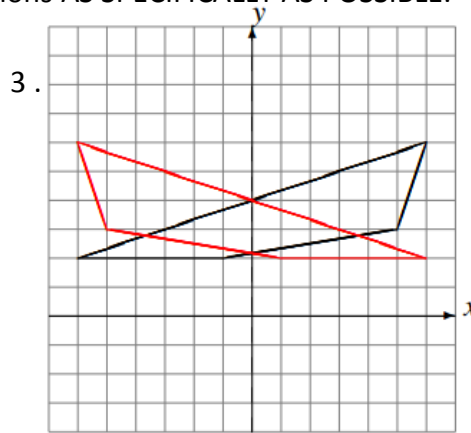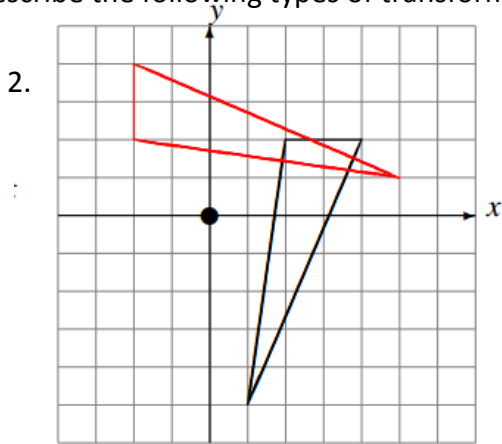# ASSIGNMENT 13

Review exercises:

1. Cui Wen works at a car dealership. As part of her salary, she earns a monthly commission based on how many cars she sells. Her commission rate is 4%. She makes a MONTHLY base salary of $2,000, without commission.
   a) If CuiWen sells $40,000 worth of cars this month, how much does she make in commission?
   b) What is her TOTAL monthly salary if she sells $100,000 in cars this month?

Describe the following types of transformations AS SPECIFICALLY AS POSSIBLE.

2.

3.

4.

5. On graph paper, draw and label a set of axes. Then draw and label the following points to form figure HJK.

   H: (-3, 9)
   J: (-7, 9)
   K: (-5, 1)

   a) Rotate HJK 180 degrees about the origin counterclockwise. Label the new image H'J'K'. List the coordinates of the rotated points.
   b) Now reflect the image H'J'K' over the x- axis. Label the image H"J"K". List the coordinates of each point.

6. Challenge****
Q: " What is the type of transformation shown in the picture below?" There are TWO images. Describe how you can get images A'B'C' and A"B"C" from the original ABC.