

NAME _____

After drawing the six figures, compare Figure 1 to each of the other figures and answer the following questions.

1. How do the coordinates of each figure compare to the coordinates of Figure 1? If possible, write general rules for making Figures 2-6.

2. Describe any similarities and/or differences between Figure 1 and each of the other figures.
 - Describe how corresponding sides compare.
 - Describe how corresponding angles compare.

3. What would be the effect of multiplying each of the coordinates in Figure 1 by $\frac{1}{2}$?

4. Which figures are similar? Describe a sequence of transformations that takes Figure 1 to the similar figure.
