

Station A:

Dilation

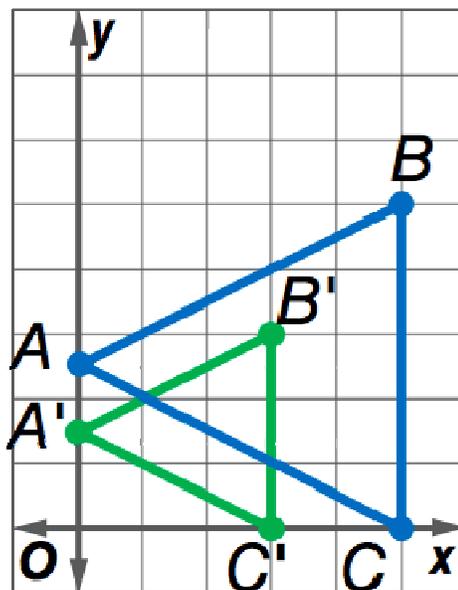
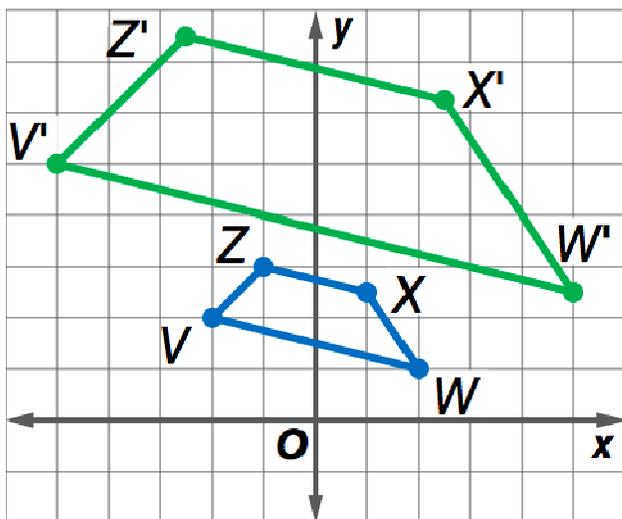
On your record sheet:

- Draw Quadrilateral $ABCD$ with vertices $A(-1, -1)$, $B(0, 1)$, $C(2, 2)$, and $D(3, 0)$.

The center of dilation is $(0,0)$

- Dilate using a **scale factor** of 3.
- Label the coordinates of $A'B'C'D'$
- Name the pairs of corresponding sides.

Station B:



In each image, one figure is a **dilation** of the other.

For each set of figures:

- Use the chart on your record sheet to compare the vertices of each shape. Record the approximate coordinates.
- Determine what scale factor was used to make the dilation. Record.
- Classify the dilation as an **enlargement** or a **reduction**. Record.

Station C:

Similar or
Congruent?

- Look carefully at the transformation that occurred on each image card.
- Decide which type of transformation occurred. Record your thinking.
 - Rotation?
 - Reflection?
 - Translation?
 - Dilation?
- Determine if the image created is *similar* or **congruent** to the original. Record your thinking.

