

Each figure below can be paired together with another figure using one of our three transformations. List the figure, its pair, the type of transformation used, and the rule or "conditions" for each.

Rules or "conditions" for the transformation are:

1. Translation - List the rule in the form  $(x, y) \rightarrow (x+a, y+b)$
2. Reflection - Write the equation of the line it is reflected over in the form  $x = \#$  or  $y = \#$
3. Rotation - List the center of rotation, the direction (CW or CCW), and how far (degree measure)

**Note:** Label any triangles in the form  $\triangle ABC$  and quadrilaterals in the form  $ABCD$ .

Figure #1 (Pre-image)	Figure #2 (Image)	Transformation (Translation, Reflection, Rotation)	Rule or Conditions

