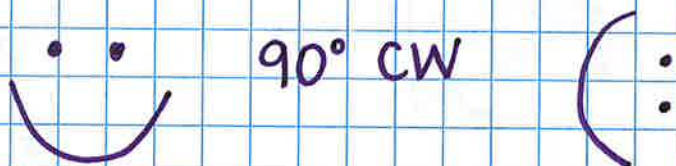


I can describe how rigid transformations move on a coordinate grid.

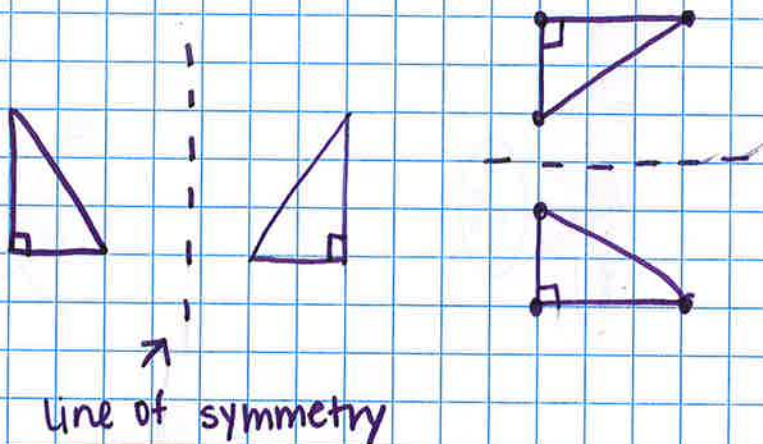
## Transformations

**Rotation**



CCW - counterclockwise

**Reflection**



reflect over the x-axis:  $(x, -|y|)$

reflect over the y-axis:  $(-|x|, y)$

**Translation**



UP:  $(x, y + \_)$

DOWN:  $(x, y - \_)$

left:  $(x - \_, y)$

right:  $(x + \_, y)$

6-1

puzzle 1:

intro 2:

$$\begin{aligned} &90^\circ \text{ CCW} \\ &(x-7, y+0) \\ &(x+0, y-6) \end{aligned}$$