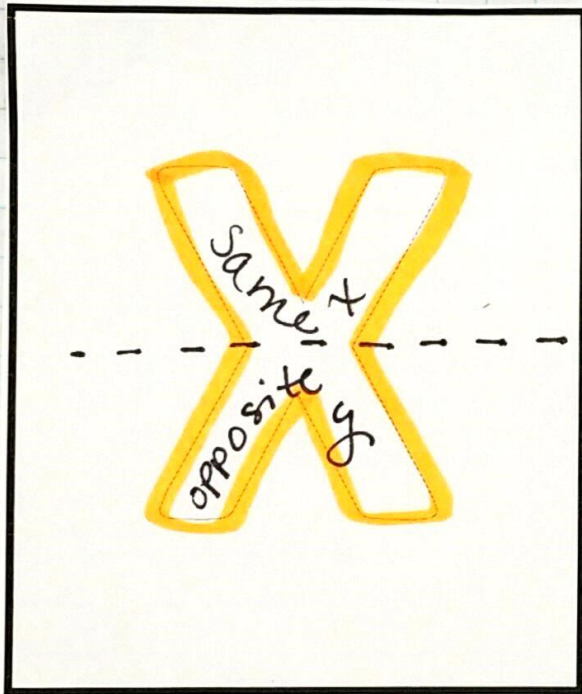


Reflections

on a coordinate plane

transformation that is a mirror image with points the same distance from the line of reflection

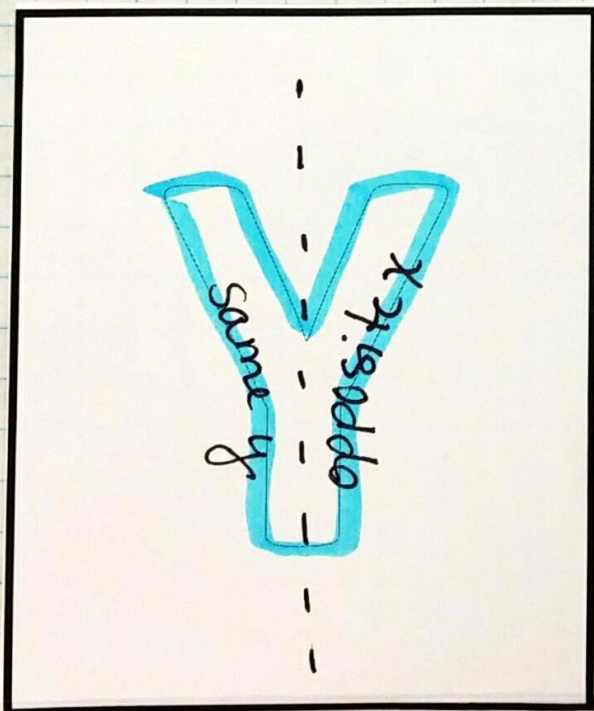


If the x-axis is the line of reflection:

- keep x-coordinate same
- use opposite y-coordinate

$$(x, y) \text{ to } (x, -y)$$

$$(x, -y) \text{ to } (x, y)$$



If y-axis is line of reflection:

- keep y-coordinate same
- use opposite x-coordinate

$$(x, y) \text{ to } (-x, y)$$

$$(-x, y) \text{ to } (x, y)$$