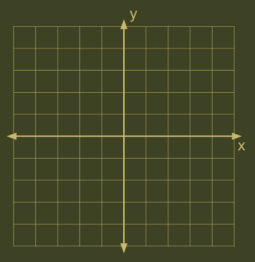
# Transformations: Relections

Arrow Notation




Reflection across the y-axis

$$(x, y) \rightarrow (-x, y)$$

Reflection across the *x*-axis

$$(x, y) \rightarrow (x, -y)$$

Reflection across the *y=x* line

$$(x, y) \rightarrow (y, x)$$

Reflection across the *y=-x* line

$$(x, y) \rightarrow (-y, -x)$$