

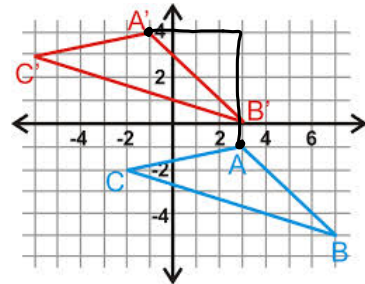
Translations

• $(x, y) \rightarrow (x + a, y + b)$

a - left(-) or right(+)

b - up(+) or down(-)

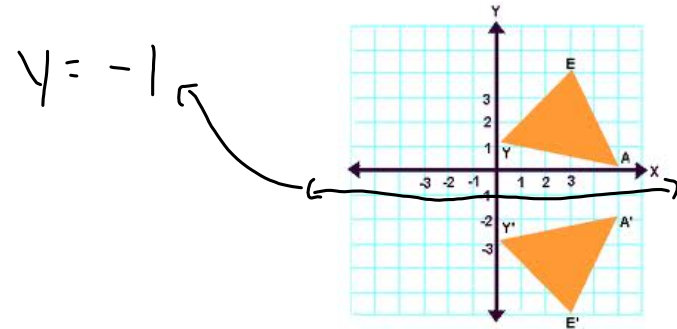
$(x, y) \rightarrow (x + 5, y - 4)$



Reflections

Reflection in x-axis: $(x, y) \rightarrow (x, -y)$

Reflection in y-axis: $(x, y) \rightarrow (-x, y)$

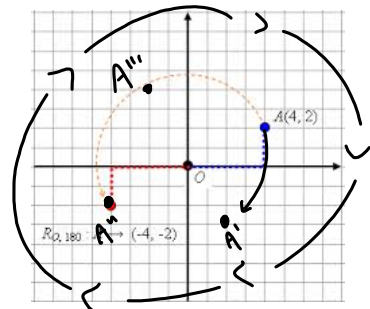


Rotations

270 degrees clockwise: $(x, y) \rightarrow (y, -x)$

180 degrees clockwise: $(x, y) \rightarrow (-x, -y)$

90 degrees clockwise: $(x, y) \rightarrow (-y, x)$



9.1, 9.2, 9.3 Review Homework

- Called 9.3 Homework

24 Questions

1 through 8 - Rotations

9 through 16 - Translations

17 through 24 - Reflections