

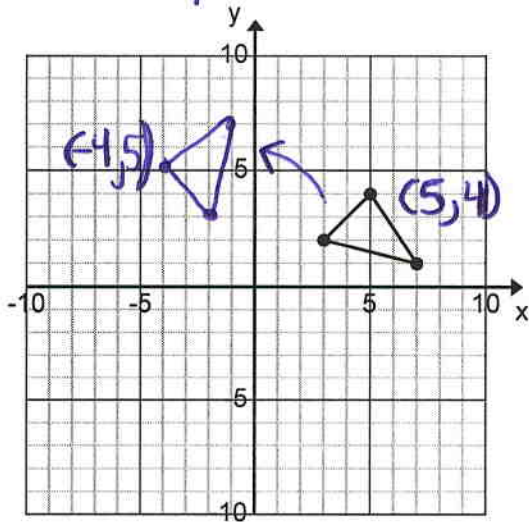
Wed 4/29 Notes

Translations and reflection Notes.

We will use this graph to talk about all the types of rotations we will focus on.

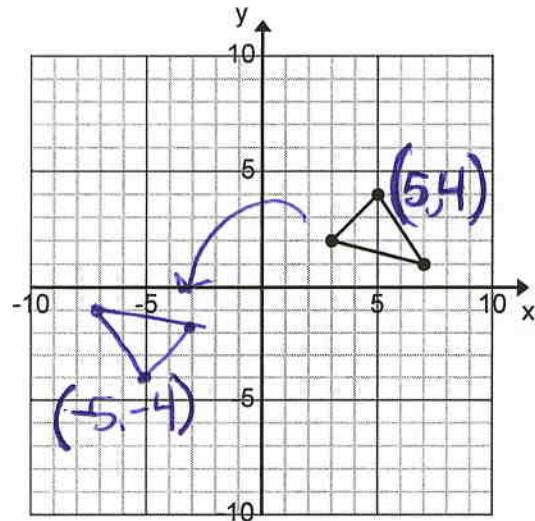
Let's create a rule for rotation about the origin by 90 degrees

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



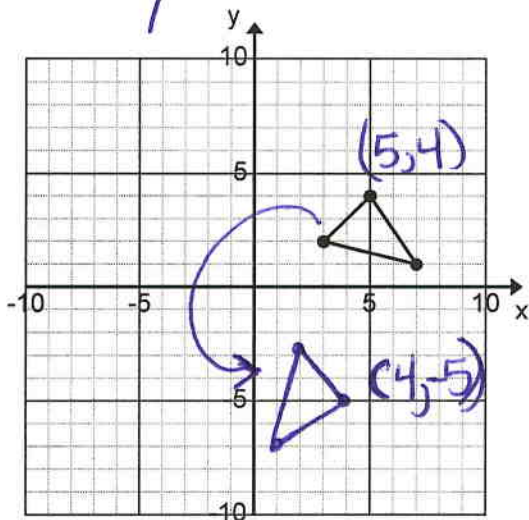
Let's create a rule for rotation about the origin by 180 degrees

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



Let's create a rule for rotation about the origin by 270 degrees

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



Let's create a rule for rotation about the origin by -90 degrees

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

