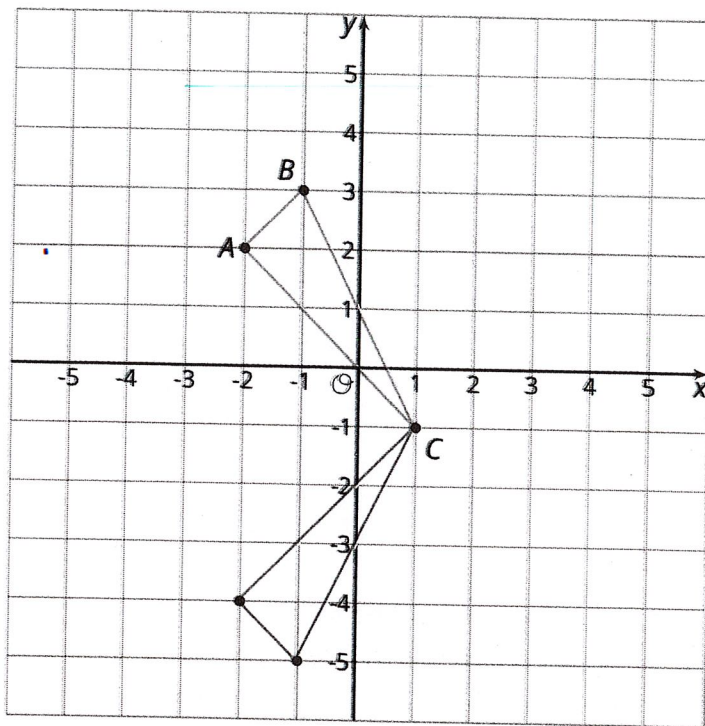


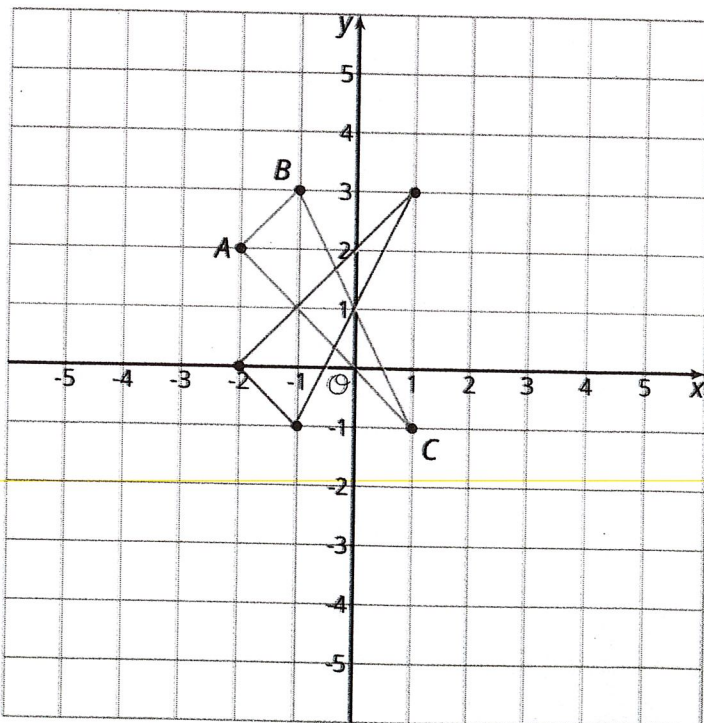
Lesson 6 Summary

The center of a rotation for a figure doesn't have to be one of the points on the figure. To find a center of rotation, look for a point that is the same distance from two corresponding points. You will probably have to do this for a couple of different pairs of corresponding points to nail it down.

When we perform a sequence of transformations, the order of the transformations can be important. Here is triangle ABC translated up two units and then reflected over the x -axis.



Here is triangle ABC reflected over the x -axis and then translated up two units.



Triangle ABC ends up in different places when the transformations are applied in the opposite order!

* An advantage of the coordinate plane is that it allows us to communicate information about transformations precisely.