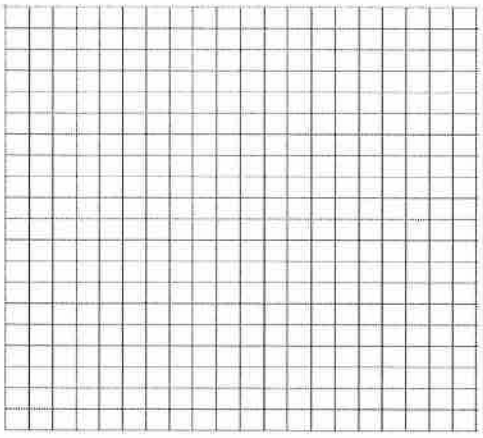
Lesson Summary

- The axes of the coordinate plane must be drawn using a straightedge and labeled x (horizontal axis) and y (vertical axis).
- Before assigning a scale to the axes, it is important to assess the range of values found in a set of points as well as the number of grid lines available. This allows you to determine an appropriate scale so all points can be represented on the coordinate plane that you construct.

Problem Set

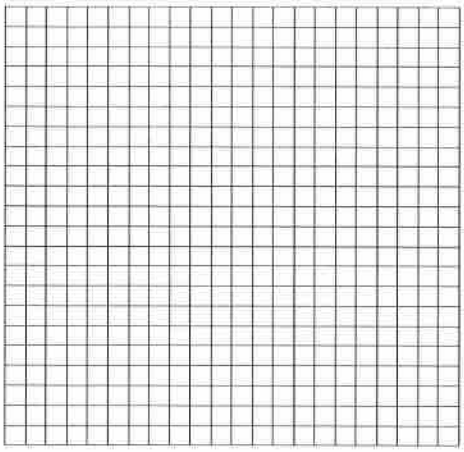
1. Label the coordinate plane, and then locate and label the set of points below.

$\{(0.3,0.9), (-0.1,0.7), (-0.5,-0.1), (-0.9,0.3), (0,-0.4)\}$



2. Label the coordinate plane, and then locate and label the set of points below.

$\{(90,9), (-110,-11), (40,4), (-60,-6), (-80,-8)\}$



Extension:

3. Describe the pattern you see in the coordinates in Problem 2 and the pattern you see in the points. Are these patterns consistent for other points too?