

**Lesson Summary**

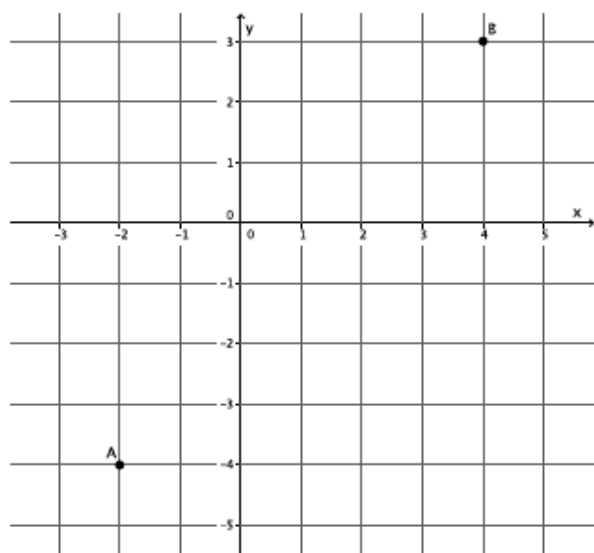
To determine the distance between two points on the coordinate plane, begin by connecting the two points. Then, draw a vertical line through one of the points and a horizontal line through the other point. The intersection of the vertical and horizontal lines forms a right triangle to which the Pythagorean theorem can be applied.

To verify if a triangle is a right triangle, use the converse of the Pythagorean theorem.

**Problem Set**

For each of the Problems 1–4, determine the distance between points  $A$  and  $B$  on the coordinate plane. Round your answer to the tenths place.

1.



2.

