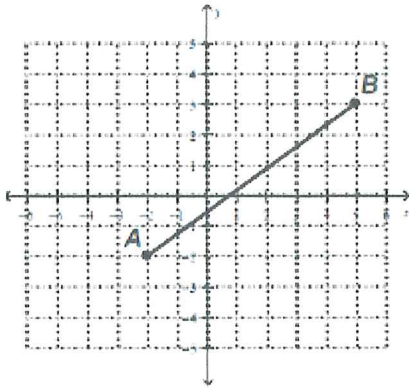


Distance and Midpoint Practice Problems

Name _____

Date _____

1. Find the distance and midpoint of AB.



2. Trina is planning to meet her cousin halfway between their two houses. On a map of the city, Trina lives at $(-4, 3)$ and her cousin lives $(2, 5)$. At what coordinate in the city will the two cousins meet?

3. The diameter of a circle has endpoints at $(5, 1)$ and $(12, -8)$. Where is the center of the circle? What is the length of the radius?

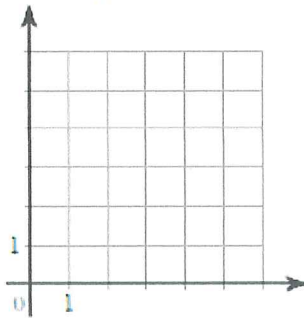
4. The diameter of a circle has endpoints at $(-3, -2)$ and $(-5, 0)$. What is the length of the radius of the circle?

5. \overline{AS} is on the coordinate plane. Point A is at $(-2, -3)$ and its midpoint, L, is at $(-2, 1)$. What is the coordinate of point S?

6. The midpoint of CD is M $(-2,1)$. One endpoint is C $(-5,7)$. What are the coordinates of the other endpoint D?

7.

Triangle ABC has vertices A(1, 3), B(1, 1), C(5,3). What is the approximate perimeter of triangle ABC?



8. Find PQ and RS to the nearest tenth. Are they congruent?

