Math 2 Chapter 1.2

What is the distance formula?

Calculate the distance between each given pair of points. Round your answer to the nearest tenth, if necessary.

1. (3, 1) and (6, 5)

2. (2, 8) and (4, 3)

3. (−6, 4) and (5, −1)

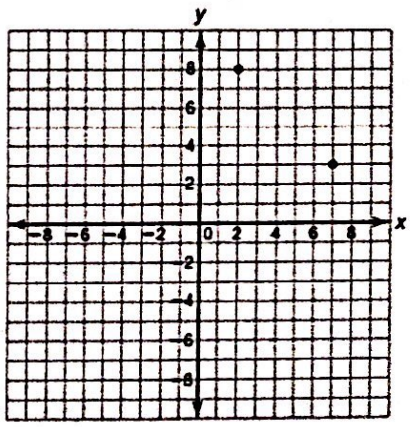
4. (9, −2) and (2, −9)

5. (0, −6) and (8, 0)

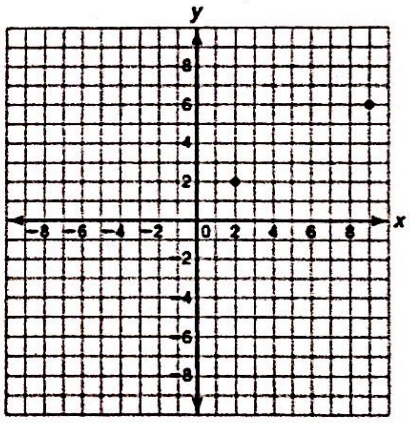
6. (−5, −8) and (−2, −9)

Calculate the distance between each given pair of points on the coordinate plane. Round your answer to the nearest tenth, if necessary.

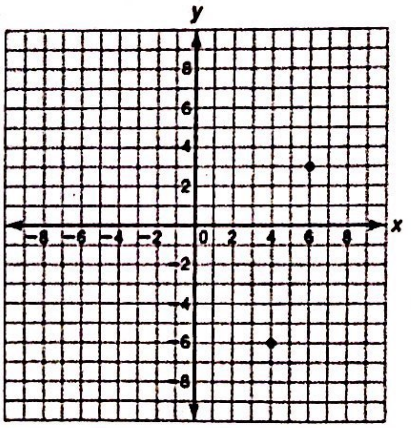
7.



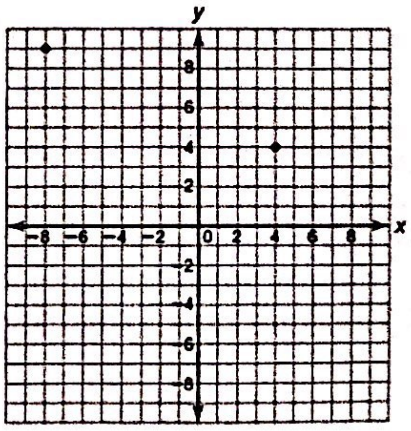
8.



9.

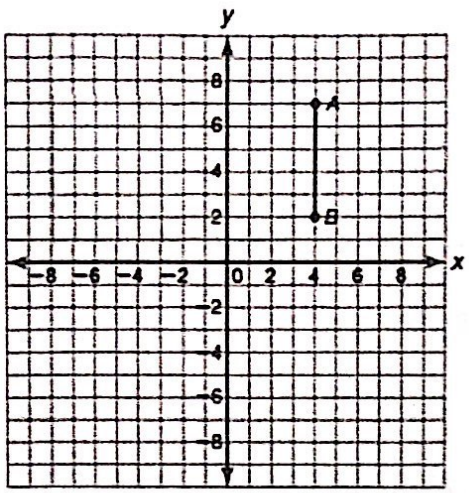


10.

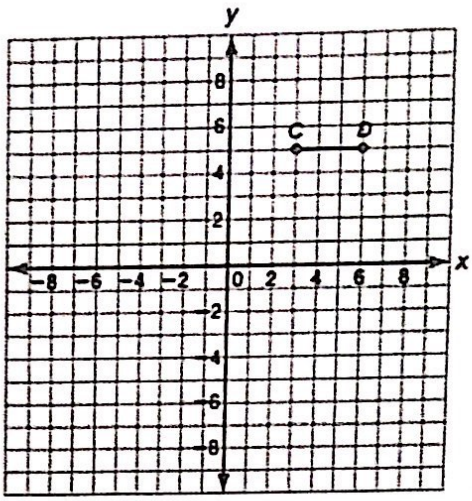


Translate each given line segment on the coordinate plane as described.

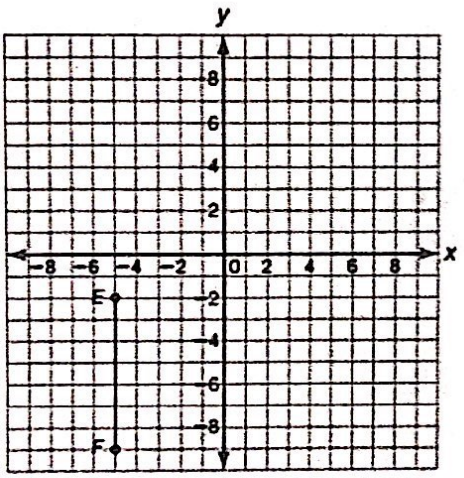
13. Translate $\overline{AB}$ 8 units to the left.



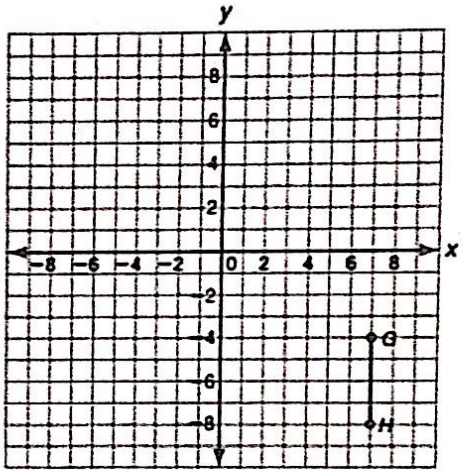
14. Translate $\overline{CD}$ 9 units down.



15. Translate $\overline{EF}$ 7 units to the right.

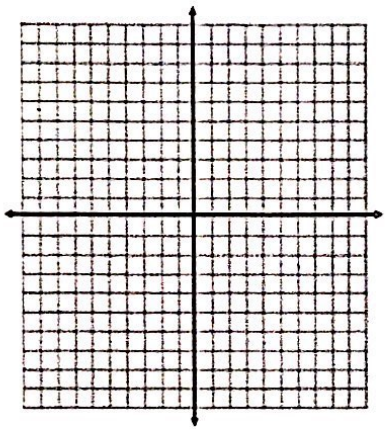


16. Translate $\overline{GH}$ 12 units up.



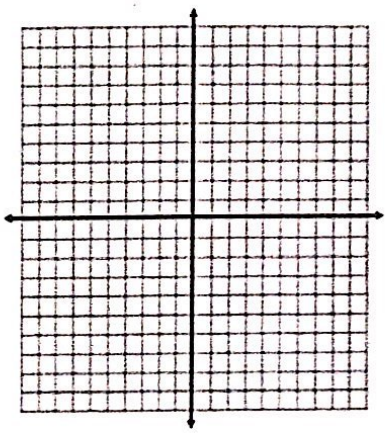
1) Graph the points A(2, 2) & B(6, 2).

Find the midpoint of $\overline{AB}$.



2) Graph the points C(-10, -9) & D(-10, -3).

Find the midpoint of $\overline{CD}$.



Find the midpoint for each line segment. Show the formula and all work.

3) E(6, 5) & F(9, 2)

4) G(1, 1) & H(-3, -3)

How did you feel while completing this homework?

1: I understood and could complete essentially no problems on this homework.	2: I could complete less than half of the problems on this homework.	3: I could complete most of the problems but got stuck on some of them as well.	4: I understood and could complete essentially all problems on this homework

If not at a four yet, what steps do you plan to take to further your understanding of this assignment? (See Mr. Scheuer before/after school, ask Mr. Scheuer for help during class, attend Intervention, get help from a tutor, get help from other resources, etc.)