NAME:_____
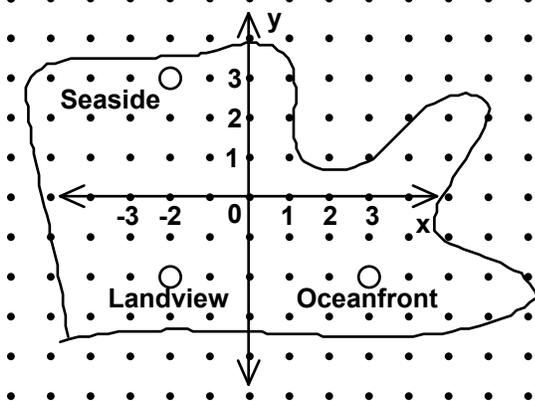
1. Which one of the following gives the distance between the numbers 9 and –13?

    [A] 4   [B] –4   [C] 22   [D] –22

2. Find the distance between the points (1, 2) and (4, –5). Round your answer to the nearest tenth.

    [A] 4.0   [B] 7.6   [C] 5.8   [D] 58.0

3. What is the distance between the points (2, 5) and (7, 8)?

    [A] 25   [B] 1   [C] 5.8   [D] 9   [E] 4

4. Find the distance between points $P(2, –1)$ and $Q(–5, 1)$.   [A] $3\sqrt{5}$ [B] 3   [C] $\sqrt{37}$ [D] $\sqrt{53}$

5. Find the distance between points $P(-2, 1)$ and $Q(-3, 5)$.

6. Marty leaves his house and walks 2 miles due west. He stops at the library and then walks 3 miles due
    north. How far is Marty from his house? Round your answer to the nearest tenth.

7. One bus is 5 miles east and 2 miles north of the bus terminal. Another bus is 3 miles west and 6 miles
    south of the terminal. How far apart are the buses?

8. Compare the quantities in Column A and Column B.
    Column A   Column B
    the distance between the   the distance between the
    points $(3, -2)$ and $(-1, 4)$ points $(-3, 2)$ and $(1, -4)$

    [A] The quantity in Column A is greater.   [B] The quantity in Column B is greater.

    [C] The quantities are equal.

    [D] The relationship cannot be determined from the information given.

9. Ory rides his bike 5 miles due east and the 10 miles due north. How far is he from his starting point?
    Write your answer in the simplest radical form and as a decimal rounded to the nearest tenth.

10. Use the map shown to find the distance from Landview to Seaside. If each unit on the grid represents 5
    miles, what is the actual distance?

[1] C _____

[2] B _____

[3] C _____

[4] D _____

[5] $\sqrt{17}$ _____

[6] about 3.6 miles _____

[7] about 11.3 miles _____

[8] C _____

[9] $5\sqrt{5} \approx 11.2$ miles _____

[10] 5 units, 25 miles _____