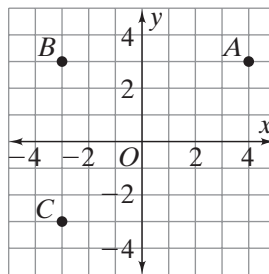


Practice 7-2

Polygons in the Coordinate Plane

Find the length of the line segment joining the two points.



1. Find the length of a line segment joining points A and B. _____

2. Find the length of a line segment joining points C and B. _____

3. $(2, 2), (4, 2)$ _____

4. $(5, -1), (5, 2)$ _____

5. $(0, 3), (0, 5)$ _____

6. $(-1, -4), (-3, -4)$ _____

7. $(2, 3\frac{1}{2}), (-3, 3\frac{1}{2})$ _____

8. $(1, 4), (1, 5)$ _____

9. $(-4, 5.2), (2, 5.2)$ _____

10. $(-8, 1), (-8, -6)$ _____

For Exercises 11–12, the two given points are connected to form the diagonal of a rectangle. Find the perimeter of the rectangle.

11. $(6, 8), (-1, 12)$ _____

12. $(-2, -5), (1, 6)$ _____

13. To show the location of the garden in her yard, Sandra graphs a rectangle on a coordinate plane. The rectangle is formed by the points $(15, 4), (15, -8), (-4, -8),$ and $(-4, 4)$. What is the perimeter of the garden? Each unit is a foot.

For each pair, tell whether the point was reflected over the x -axis or the y -axis.

14. $(4, 13), (-4, 13)$ _____

15. $(3, \frac{1}{2}), (-3, \frac{1}{2})$ _____

16. $(2, 1), (2, -1)$ _____

17. $(12, 6), (12, -6)$ _____

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