

6.5 The Coordinate Plane (continued)

- d. **STRUCTURE** Describe how you would plot $(-3, -2)$. How is plotting this point similar to plotting $(3, 2)$? Plot $(-3, -2)$ in your coordinate plane.

- e. **REASONING** Where in your coordinate plane do you plot $(2, -4)$? Where do you plot $(-2, 4)$? Explain your reasoning.

3 ACTIVITY: Plotting Points in a Coordinate Plane

Work with a partner. Plot and connect the points to make a picture. Describe and color the picture when you are done.

- | | | | | |
|-------------|-------------|-------------|------------|-------------|
| 1(6, 9) | 2(4, 11) | 3(2, 12) | 4(0, 11) | 5(-2, 9) |
| 6(-6, 2) | 7(-9, 1) | 8(-11, -3) | 9(-7, 0) | 10(-5, -1) |
| 11(-5, -5) | 12(-4, -8) | 13(-6, -10) | 14(-3, -9) | 15(-3, -10) |
| 16(-4, -11) | 17(-4, -12) | | | |
| 18(-3, -11) | 19(-2, -12) | | | |
| 20(-2, -11) | 21(-1, -12) | | | |
| 22(-1, -11) | 23(-2, -10) | | | |
| 24(-2, -9) | 25(1, -9) | | | |
| 26(2, -8) | 27(2, -10) | | | |
| 28(1, -11) | 29(1, -12) | | | |
| 30(2, -11) | 31(3, -12) | | | |
| 32(3, -11) | 33(4, -12) | | | |
| 34(4, -11) | 35(3, -10) | | | |
| 36(3, -8) | 37(4, -6) | | | |
| 38(6, 0) | 39(9, -3) | | | |
| 40(9, -1) | 41(8, 1) | | | |
| 42(5, 3) | 43(3, 6) | | | |
| 44(3, 7) | 45(4, 8) | | | |

