

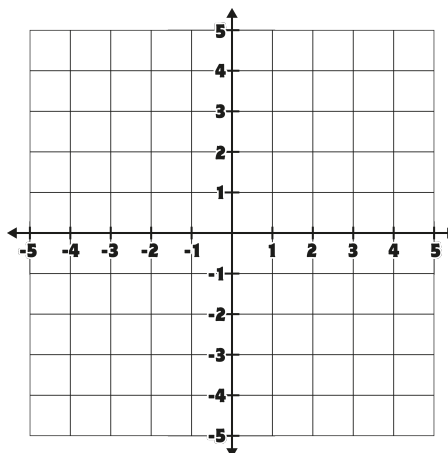
Name: _____

Date: _____

Practice: Reflecting Points in the Coordinate Plane

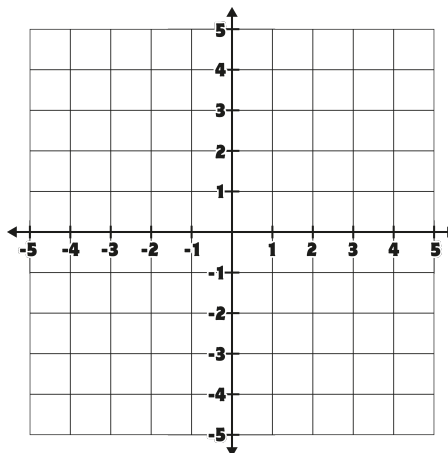
Graph each point. Then reflect the point in the x-axis. Record the coordinates of the reflection.

- A (1,3), Reflection: _____
- B (-2,-2) Reflection: _____
- C (-4,5) Reflection: _____
- D (2, -5) Reflection: _____



Graph each point. Then reflect the point in the y-axis. Record the coordinates of the reflection.

- A (1,3), Reflection: _____
- B (-2,-2) Reflection: _____
- C (-4,5) Reflection: _____
- D (2, -5) Reflection: _____



Reflect each point in the x-axis and y-axis

| Ordered Pair | Reflection in the x-axis | Reflection in the y-axis |
|--------------|--------------------------|--------------------------|
| (-12,13) | | |
| (4,-9) | | |
| (-10,-8) | | |

Name: _____

Date: _____

Reflecting Points in the Coordinate Plane

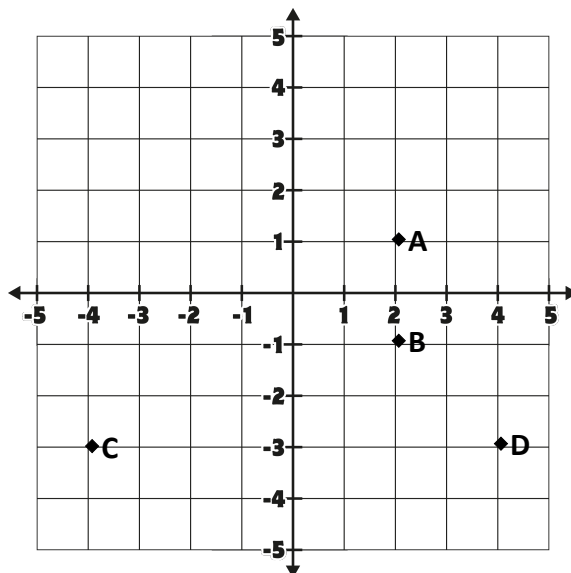
1. In your own words, describe what the word reflection means.

Answers will vary

2. You can reflect **ordered pairs** the x-axis and y-axis.
 3. Another term for reflection is **mirror** image.

> B is a reflection of A in the **x** - axis

> D is a reflection of C in the **y** - axis



4. To reflect a point in the x-axis, the x-coordinate remains the same and the y-coordinate is **negated**.
5. To reflect a point in the y-axis, the y-coordinate remains the same and the x-coordinate is **negated**.
6. Graph (4,5) on the grid below. Then reflect it in the x-axis. What are the coordinates of the reflection? **(4,-5)**
7. Graph (-2,-4) on the grid below. Then reflect it in the y-axis. What are the coordinates of the reflection? **(2,-4)**

