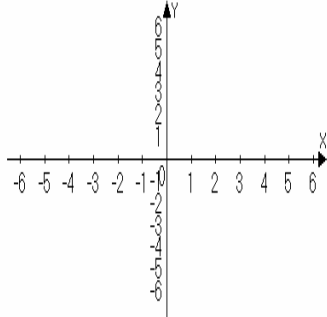


**Practice Set 4.1**  
Graphing Equations in Two Variables

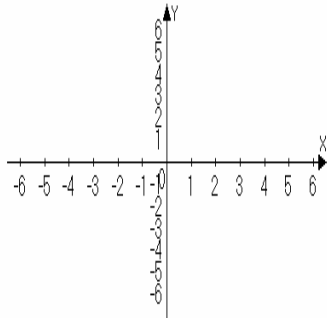
Plot the given point in a rectangular coordinate system. Indicate which quadrant each point lies.

1. (2, 4)



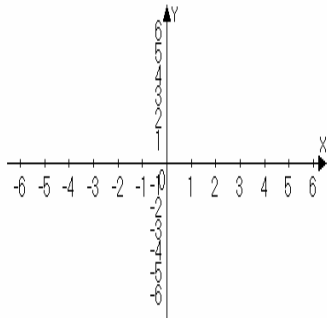
1. quadrant \_\_\_\_\_

2. (-3, -2)



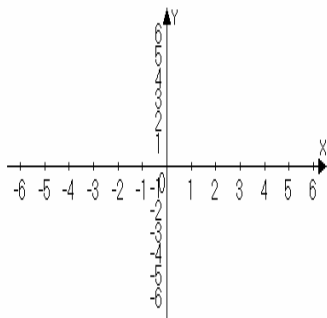
2. quadrant \_\_\_\_\_

3. (-1, 5)



3. quadrant \_\_\_\_\_

4. (2, -2)

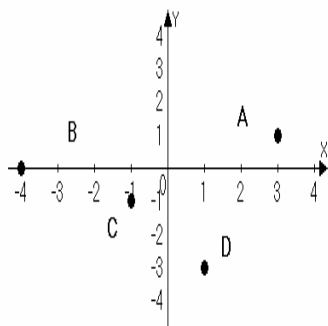


4. quadrant \_\_\_\_\_

Name \_\_\_\_\_

Date \_\_\_\_\_

Give the ordered pairs that correspond to the point labeled in the figure.



5. A \_\_\_\_\_

6. B \_\_\_\_\_

7. C \_\_\_\_\_

8. D \_\_\_\_\_

Determine whether each ordered pair is a solution of the given equation.

9.  $y = -2x$

a.  $(-2, -4)$

9a. \_\_\_\_\_

b.  $(0, -2)$

b. \_\_\_\_\_

c.  $(1, -2)$

c. \_\_\_\_\_

10.  $2x + 5y = 10$

a.  $(5, 0)$

10a. \_\_\_\_\_

b.  $(0, -2)$

b. \_\_\_\_\_

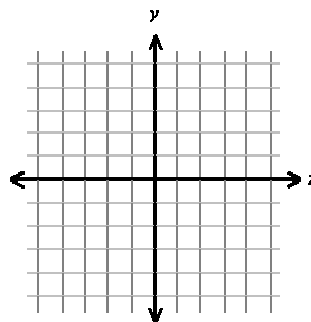
c.  $(5, -4)$

c. \_\_\_\_\_

Complete each table of values for each given equation. Graph the ordered pairs from the table.

11.  $y = x$

| $x$ | $y = x$ | $(x, y)$ |
|-----|---------|----------|
| -2  |         |          |
| -1  |         |          |
| 0   |         |          |
| 1   |         |          |
| 2   |         |          |

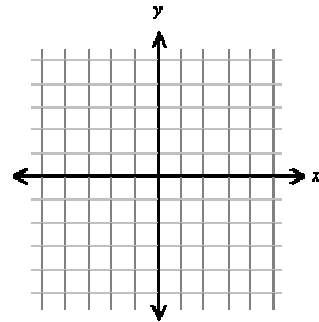


Name \_\_\_\_\_

Date \_\_\_\_\_

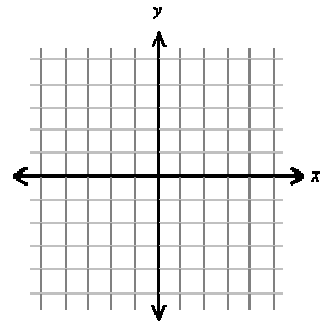
12.  $y = -2x - 1$

| $x$ | $y = -2x - 1$ | $(x, y)$ |
|-----|---------------|----------|
| -2  |               |          |
| -1  |               |          |
| 0   |               |          |
| 1   |               |          |
| 2   |               |          |



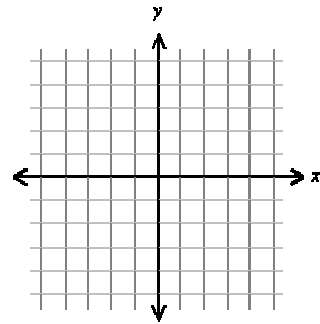
13.  $y = 3x - 1$

| $x$ | $y = 3x - 1$ | $(x, y)$ |
|-----|--------------|----------|
| -2  |              |          |
| -1  |              |          |
| 0   |              |          |
| 1   |              |          |
| 2   |              |          |



14.  $y = 2$

| $x$ | $y = 2$ | $(x, y)$ |
|-----|---------|----------|
| -2  |         |          |
| -1  |         |          |
| 0   |         |          |
| 1   |         |          |
| 2   |         |          |



15.  $y = -\frac{1}{2}x + 1$

| $x$ | $y = -\frac{1}{2}x + 1$ | $(x, y)$ |
|-----|-------------------------|----------|
| -4  |                         |          |
| -2  |                         |          |
| 0   |                         |          |
| 2   |                         |          |
| 4   |                         |          |

