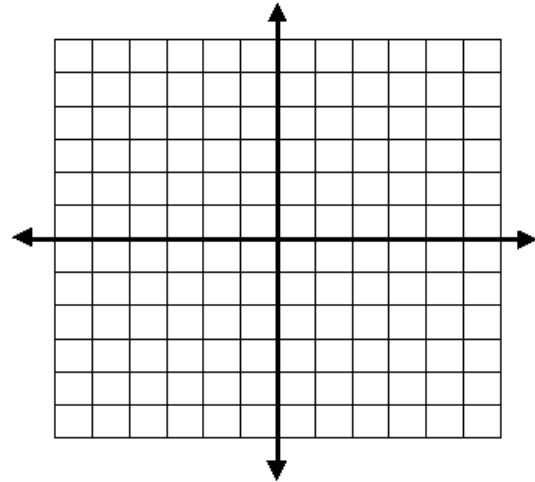


### 3.1 INTERPRETING GRAPHS AND ORDERED PAIRS

Label the parts of the Cartesian Coordinate System (Rectangular Coordinate System)

- x-axis
- y-axis
- origin
- quadrants



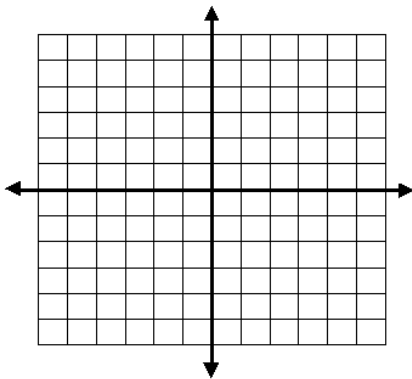
An ordered pair gives directions to a point. (X, Y)

The x-coordinate is the first number in an ordered pair and tells how far to move left or right.

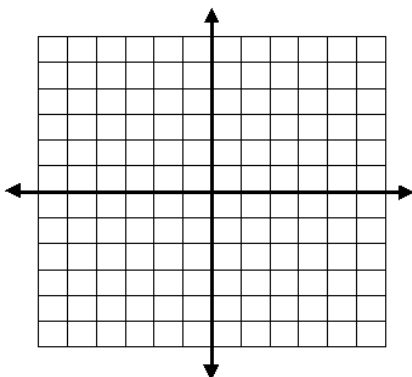
The y-coordinate is the second number in an ordered pair and tells how far to move up or down.

For problems 1-8:

- A: Give directions for finding the point described by each ordered pair. (For example, (-2, 3) left 2; up 3)
- B. Plot the point.
- C. Tell which quadrant the point is in or what axis it is on.

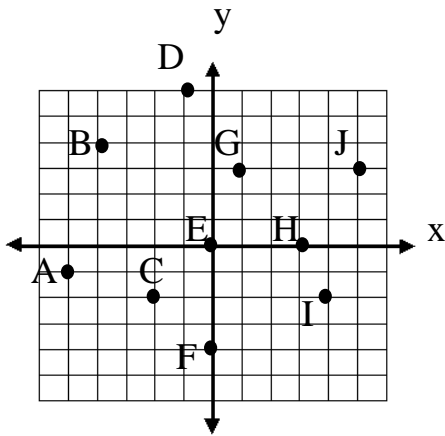


- 1. (2, -3) A: \_\_\_\_\_ C: \_\_\_\_\_
- 2. (-4, 1) A: \_\_\_\_\_ C: \_\_\_\_\_
- 3. (0, 5) A: \_\_\_\_\_ C: \_\_\_\_\_
- 4. (-1, 3) A: \_\_\_\_\_ C: \_\_\_\_\_



- 5. (-3, -4) A: \_\_\_\_\_ C: \_\_\_\_\_
- 6. (2, 0) A: \_\_\_\_\_ C: \_\_\_\_\_
- 7. (5, -1) A: \_\_\_\_\_ C: \_\_\_\_\_
- 8. (-4, 5) A: \_\_\_\_\_ C: \_\_\_\_\_

Find the coordinates of each given point.



A \_\_\_\_\_

E \_\_\_\_\_

H \_\_\_\_\_

B \_\_\_\_\_

F \_\_\_\_\_

I \_\_\_\_\_

C \_\_\_\_\_

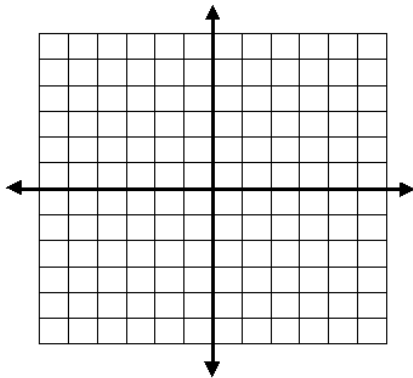
G \_\_\_\_\_

J \_\_\_\_\_

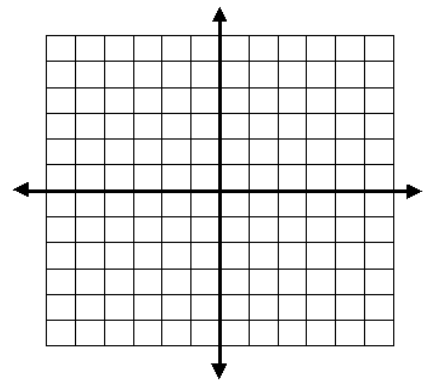
D \_\_\_\_\_

Homework for 3.1 page 155; 21, 23, 27, 29, odd 41 - 47

21.



23.



27A

29A

41

B

B

43

C

C

45

D

D

47

E

E