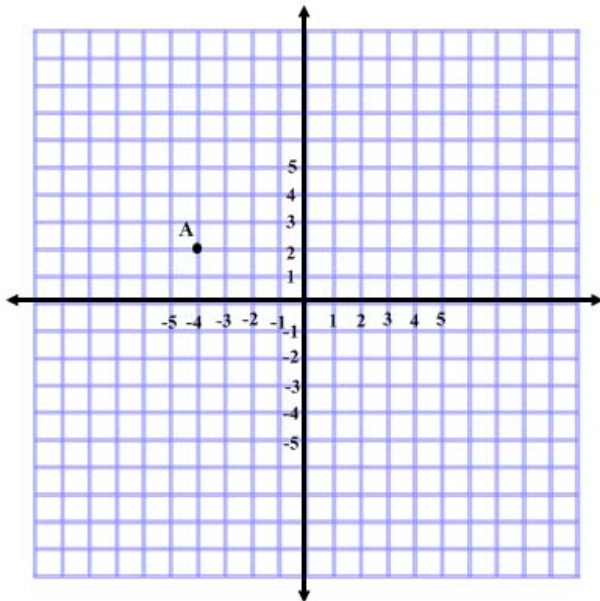


## Self-Check for Tutorial 18

### Data Display

1.



What are the coordinates of point A?

Point A is in what quadrant?

2. A meteorologist recorded the number of tornadoes that touched down over a period of 20 days. Find the mean, median, and mode of this set of data.

3 2 1 4 3 1 2 1 0 2  
2 3 5 1 4 8 9 0 4 1

3 A civil engineer counted the number of cars that passed through a green light during a rush hour. Use the following data that she collected.

12 16 8 8 9 7 18 10 11 14  
14 10 7 8 20 10 20 6 13 15

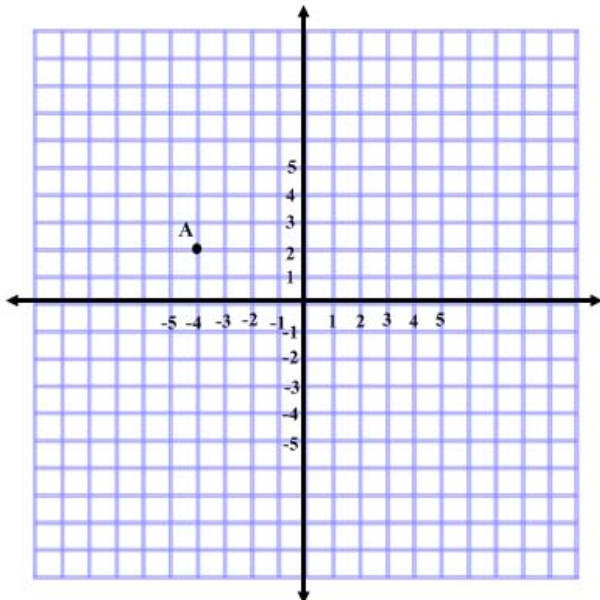
**Self-Check for Tutorial 18  
Data Display**

Create a frequency table using intervals of 5 starting with 5

Make a bar graph using the information from the frequency table.

## Self-Check for Tutorial 18 Solutions for Data Display

1.



What are the coordinates of point A?

$(-4, 2)$

Point A is in what quadrant?

Quadrant II

2. A meteorologist recorded the number of tornadoes that touched down over a period of 20 days. Find the mean, median, and mode of this set of data.

3 2 1 4 3 1 2 1 0 2  
2 3 5 1 4 8 9 0 4 1

Mean:  $56/20 = 2.8$

Median: 2

Mode: 1

3. A civil engineer counted the number of cars that passed through a green light during a rush hour. Use the following data that she collected.

12 16 8 8 9 7 18 10 11 14  
14 10 7 8 20 10 20 6 13 15

**Self-Check for Tutorial 18  
Solutions for Data Display**

Create a frequency table using intervals of 5 starting with 5

| Number of Cars Intervals | Tally    | Frequency |
|--------------------------|----------|-----------|
| 5 - 9                    | IIII II  | 7         |
| 10-14                    | IIII III | 8         |
| 15-19                    | III      | 3         |
| 20-24                    | II       | 2         |

Make a bar graph using the information from the frequency table.

