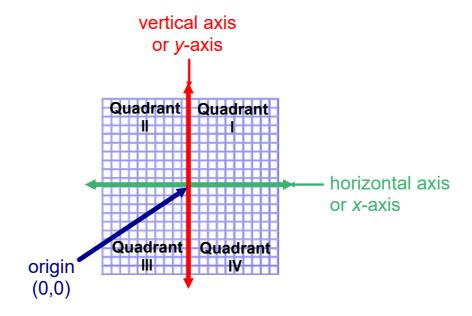
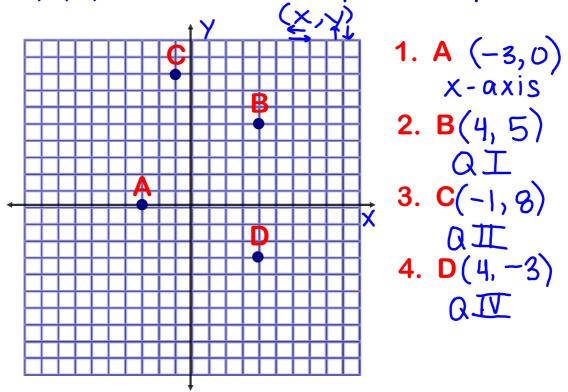
3.1 ORDERED PAIRS AND RELATIONS



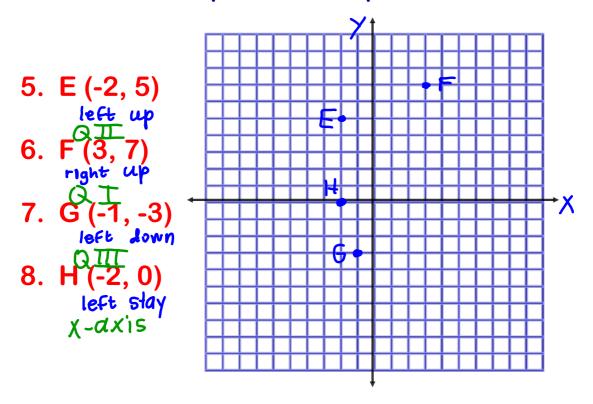
Points are written in <u>ordered pairs</u>.

The first number is the x-coordinate, and the second number is the y-coordinate.

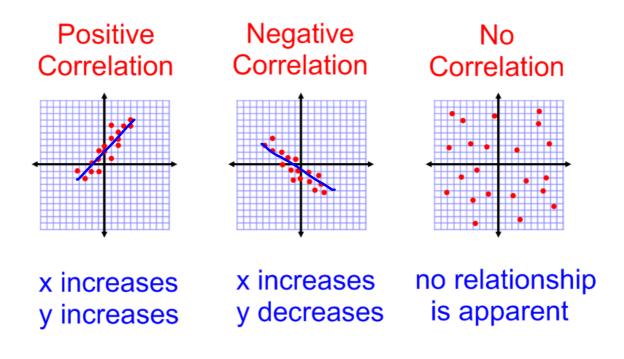
Write the ordered pairs that correspond to points A, B, C, and D. Also name the quadrant the point is in.



Plot the following points in a coordinate plane. Also name the quadrant the point is in.



SCATTER PLOTS



State the type of correlation each of the following would have if put into a scatter plot.

- 9. Age of car and resale valuenegative
- 10. Number of pets in household and number of fleasitive
- 11. Height and life expectancy correlation
- 12. Annual income and size of hompositive
- 13. Hours of TV watched and grade gative
- 14. Weight and annual incomen correlation
- 15. Age and number of health problems si tive
- 16. Hours of exercise per day and weightgative

CHAPTER 1 REVIEW...

Relation- a set of ordered pairs

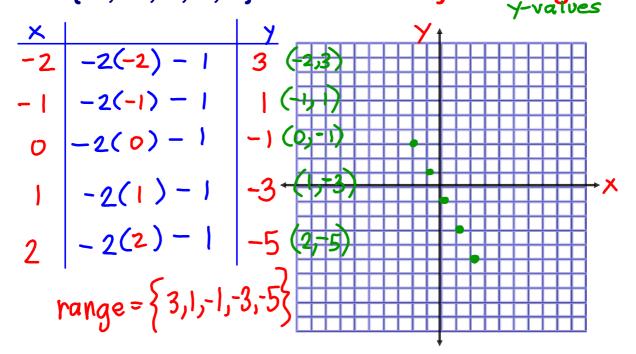
$$\{(-2,5),(0,7),(3,5)\}$$

Domain- the set of all possible values of the first variable (also called the input) χ -values

Range- the set of all possible values of the second variable (also called the output) values

$${5,7}$$

17. Graph the function y = -2x - 1 with domain $\{-2, -1, 0, 1, 2\}$. Then identify the range.



18. Graph the function $y = \frac{5}{4}x + 2$ with domain

{-2, -1, 0, 1, 2}. Then identify the range.

