

What's The Point?

Name: _____ Hour: _____

Problem 1

PAGE 1.2

List the coordinates of three points while moving the point, on the graph, in a horizontal direction.

(,) (,) (,)

PAGE 1.4

List the coordinates of three points while moving the point, on the graph, in a vertical direction.

(,) (,) (,)

PAGE 1.5

While moving the point horizontally, I observed _____

While moving the point vertically, I observed _____

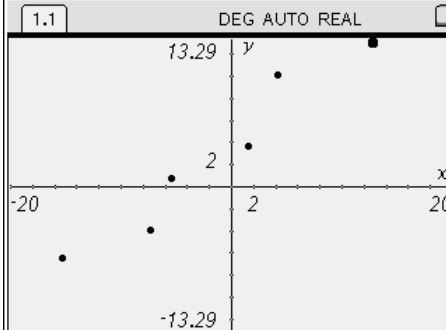
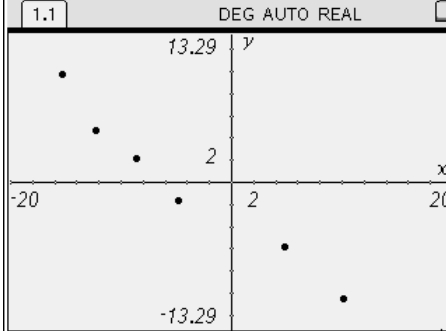
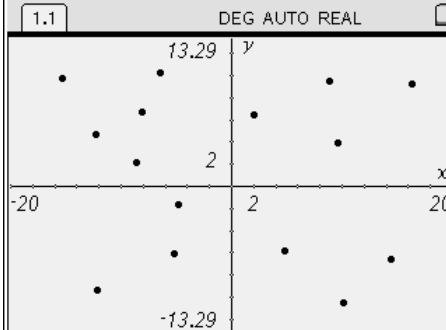
When "reading" graphs, you look at the points and lines, viewed from left to right across the coordinate plane. You can order points by using their x-coordinate, in order from least to greatest.

Example: (3, 0) (-2, -4) (0, -3) (5, 4)

*The coordinates listed above should be ordered as they would appear from left to right on the coordinate plane, using the **x-coordinate** in ascending order.*

Ordered as: (-2, -4) (0, -3) (3, 0) (5, 4)

When one **coordinate plane** contains several points, the graph is referred to as a "scatter plot." The relationship of the **Scatter Plots** can be described as having a:

<p><u>positive correlation</u>: when the points appear to be getting higher as you move from left to right. (y-coordinate is increasing)</p>		
<p><u>negative correlation</u>: when the points appear to be getting lower as you move from left to right. (y-coordinate is decreasing)</p>		
<p><u>no-correlation</u>: when the points appear to have no pattern as you move from left to right. (next y-coordinate is unpredictable)</p>		

Problem 2

PAGE 2.2

Order the given coordinates as they would appear on the coordinate plane, from left to right.

(,) (,) (,) (,) (,) (,)

Observe the y-coordinates;

These points will have a _____ correlation.

PAGE 2.4

Order the given coordinates as they would appear on the coordinate plane, from left to right.

(,) (,) (,) (,) (,) (,)

Observe the y-coordinates;

These points will have a _____ correlation.

PAGE 2.6

Order the given coordinates as they would appear on the coordinate plane, from left to right.

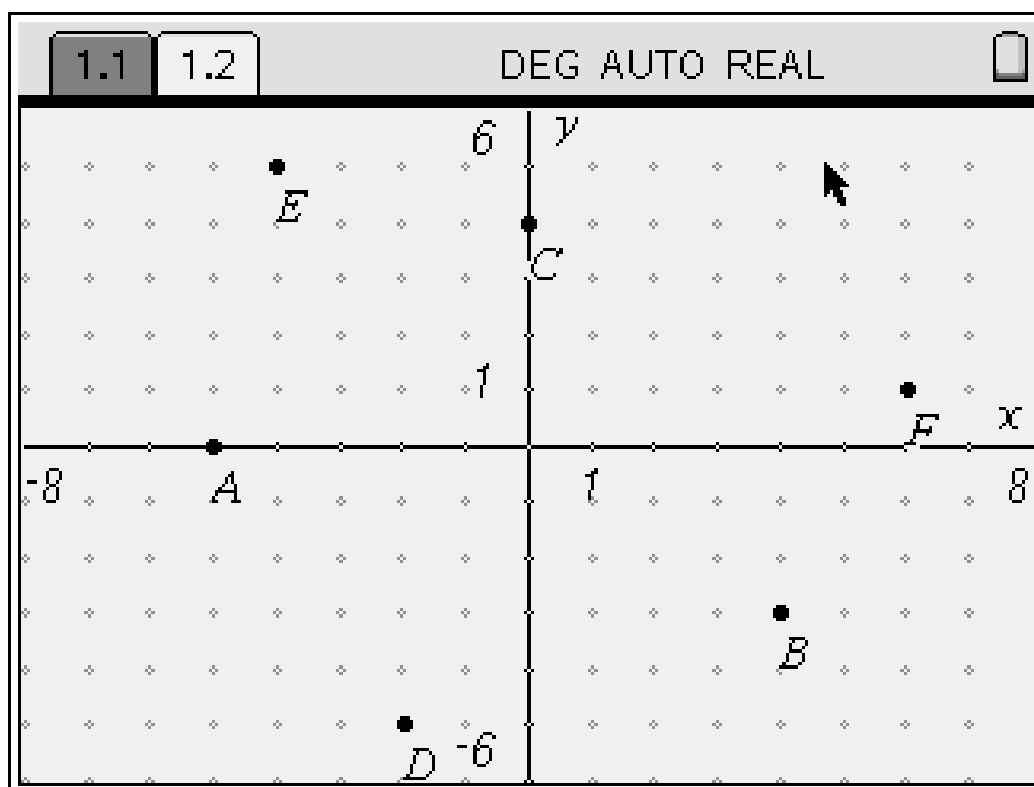
(,) (,) (,) (,) (,) (,)

Observe the y-coordinates;

These points will have a _____ correlation.

Be sure to save your work in your TI-*nspire* handheld unit.

File name: _____



1] Using the points on the above coordinate plane, list the coordinates for each:

A. (,) B. (,) C. (,)

D. (,) E. (,) F. (,)

2] Use the x-coordinates to order the points.

(,) (,) (,) (,) (,) (,)

3] This scatter-plot has _____ correlation.