

Name:

Per:

Date:

Use [this GeoGebra applet](#) to help you answer the following questions.

Directions:

- 1) Plot each pair of points (x,y) in the [GeoGebra applet](#).
- 2) Use the applet to obtain the rise and the run between each pair of points.  
List these data values on this worksheet.
- 3) Repeat steps (1) - (2) for each pair of points you see listed on this sheet.

\*\*\*\*\*

A) **(1, 5)**      **AND**      **(7, 8)**  
**RUN =**                      **RISE =**                      **slope =**

B) **(1, 5)**      **AND**      **(7, 4)**  
**RUN =**                      **RISE =**                      **slope =**

C) **(-2, 4)**      **AND**      **(5, 3)**  
**RUN =**                      **RISE =**                      **slope =**

D) **(-3, 2)**      **AND**      **(4, 2)**  
**RUN =**                      **RISE =**                      **slope =**



E)  $(-3, -5)$  AND  $(-1, 8)$   
RUN = RISE = slope =

F)  $(0, -5)$  AND  $(7, 8)$   
RUN = RISE = slope =

G)  $(2, -3)$  AND  $(2, 0)$   
RUN = RISE = slope =

H)  $(2, -3)$  AND  $(2, 4)$   
RUN = RISE = slope =

I)  $(-8, -1)$  AND  $(-6, 3)$   
RUN = RISE = slope =

J)  $(4, -3)$  AND  $(-2, -9)$   
RUN = RISE = slope =



K)  $(-1, 2)$  AND  $(4, 6)$   
RUN = RISE = slope =

L)  $(-8, -1)$  AND  $(7, -10)$   
RUN = RISE = slope =

M)  $(1, -4)$  AND  $(7, -4)$   
RUN = RISE = slope =

N)  $(1, 1)$  AND  $(7, 8)$   
RUN = RISE = slope =

Given 2 points, **how can you calculate the RISE between them?** Explain.

Given 2 points, **how can you calculate the RUN between them?** Explain.

At this point, please visit this [GeoGebra Slope Quiz \(III\) applet](#) and see if you can correctly determine the slope of each line that passes through the 2 points generated by this applet.

You can use [the applet you used for this activity](#) at first.

**Yet, see if you can eventually do it WITHOUT using it!**

