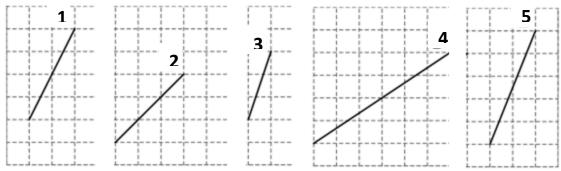
Steepness

1. Five line segments 1, 2, 3, 4, 5 are shown below.



a. Put them in order of steepness. (Write letters in the boxes).

Least Steep =	 	 Most Steep =	

b. Explain your method.						
	_					

- c. What do we need to find to determine how steep a line is?
- d. How do we find the slope of a line given a graph?
- e. How do we find the slope of a line given two points?
- f. How do we determine which line is most steep?

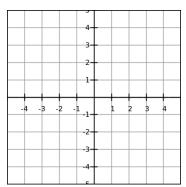
		С	Between (1, 3) and (-1, 0)					
		D	Between (1, -1) and (3, 1)					
		E	Betw	een (1, 0) and (-2	2, –3)			
5.4.5						J		
a. Put the line segment	s in ord	er c	f how	steep they are.	ı			
Least steep =							Most steep =	
Show your work below:								
b. Explain your work and h	how voi	ı kn	ow v	our slopes in the	table are	e correc	t.	
b. Explain your work and how you know your slopes in the table are correct.								
c. How can you check your	r slones	in r	nart 7	a?				
3a. Graph each line below	Ba. Graph each line below by plotting the two points and connecting the dots.							

2. Five line segments A, B, C, D, and E are drawn between the following pairs of coordinates.

Between (-3, 1) and (0, 3)

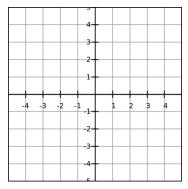
Between (-1, 1) and (-2, -1)

LINE A



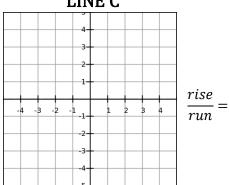
$$\frac{rise}{run} =$$

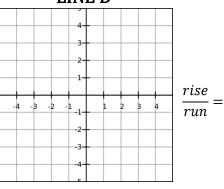
LINE B



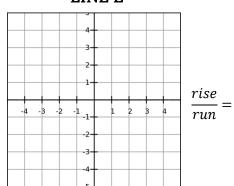
 $\frac{rise}{run} =$

LINE C





LINE E



b. Put the line segments in order of how steep they are.

Least steep =				Most steep =
---------------	--	--	--	--------------

c. Does this match your answer in part 2a?

What does that tell you? _____

b. Equation of Line B:
d. Equation of Line D:

h. Which method do you prefer? Why?						
						