4.2 Slope of a Line

Today's Learning Goals:

- Find slopes of lines by using two points.
- Find slopes of lines from tables.

<u>SLOPE</u>

This is the measure of steepness



SLOPE OF A LINE







rise

run

slope = -



SLOPE OF A LINE

Run



Rise

SLOPE OF A LINE



SLOPE OF A LINE



SLOPE OF A LINE



Find the slope of each line. Simplify the slope or write it as an integer if you can.



Through each point draw a line that has the slope shown below the grid. Use a ruler.









If you do not have the graph of a line use...



SLOPE FORMULA



Find the slope between the two points:

- 1) (7,-6) and (-5,2)
- 2) (-2,3) and (4,8)
- 3) (6,3) and (2,0)

SLOPE OF A LINE



ZERO SLOPE VS UNDEFINED (NO SLOPE)

SLOPE OF A LINE



SLOPE OF A LINE

5







Find the slope between the two points:

2) (-2,5) and (9,5)





Find the slope between the two points:

3) (11,-8)*and* (3,4)

4) (-3,9)*and* (-3,5)