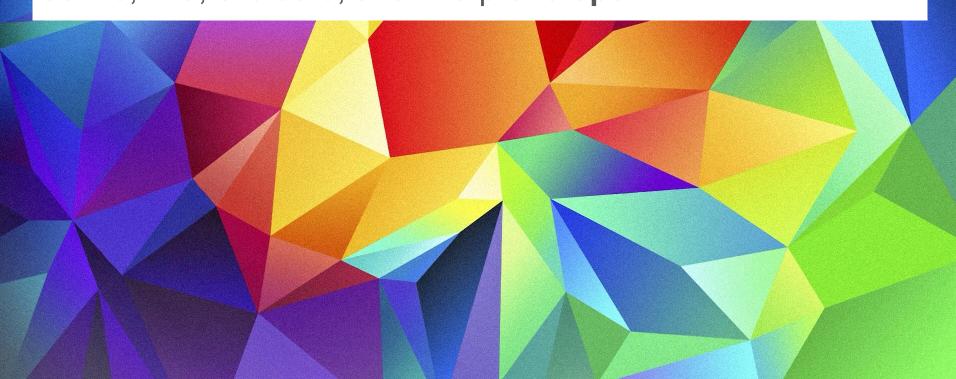
Announcements

- Friday is your Unit 4 Test
- Friday your Unit 3 Corrections are due
- Tuesday is the last day of the quarter
- Today we are starting Unit 5
 - Slope
 - Direct Variation
 - Slope Intercept Form
 - Standard Form
 - Point Slope Form

Today we will...

define, find, evaluate, and interpret slope.





Four Types of Slope

Positive Slope

Negative Slope

Zero Slope

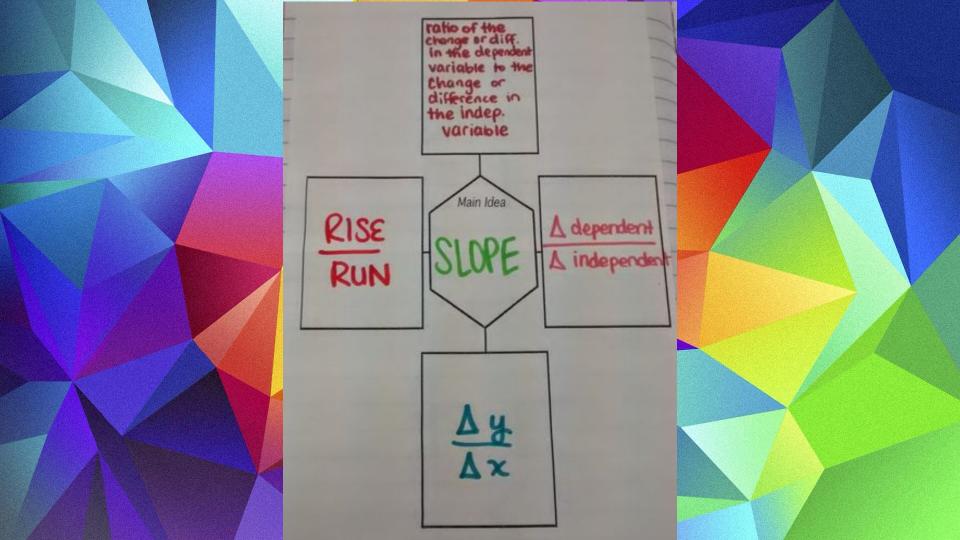
Undefined Slope



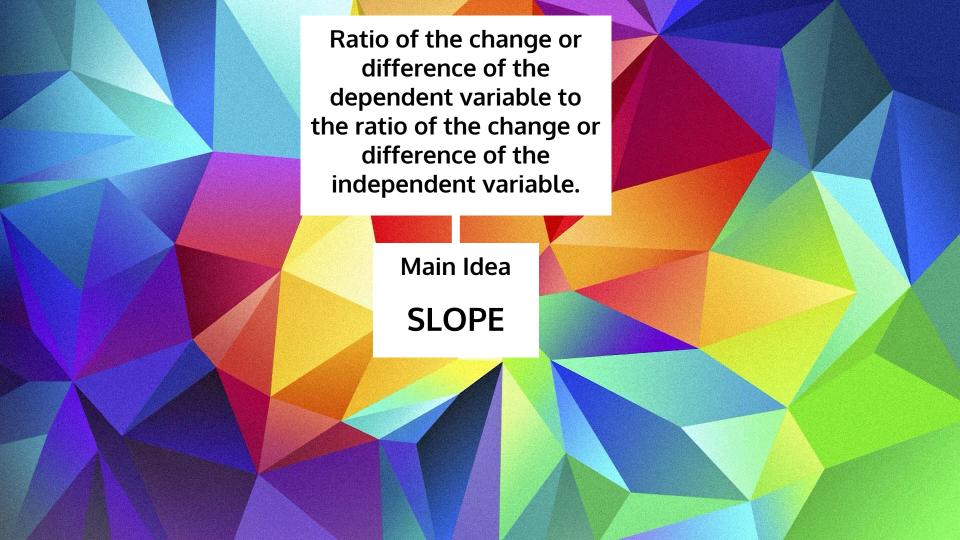
Slope Dude will help us understand the 4 types of slope...

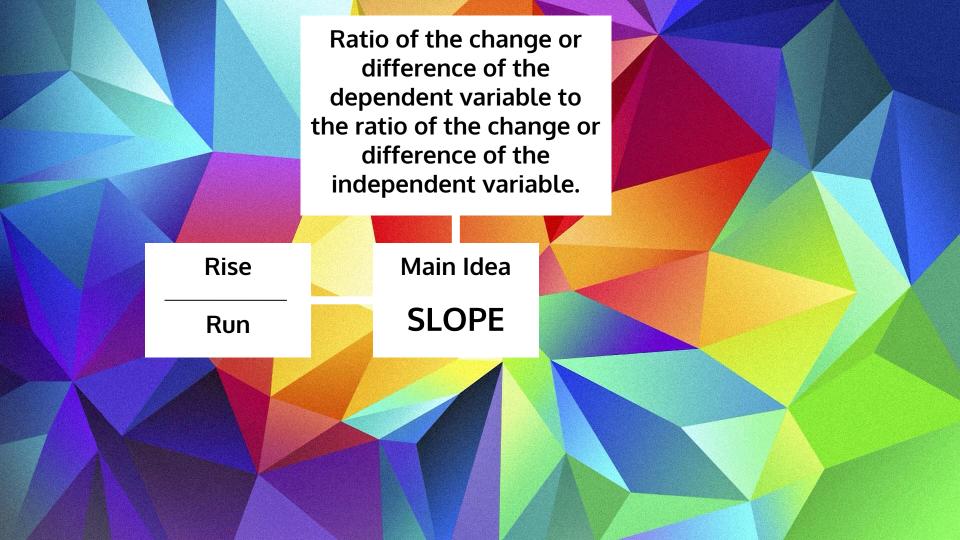
https://www.youtube.com/watch?v=avS6C6 kvXM

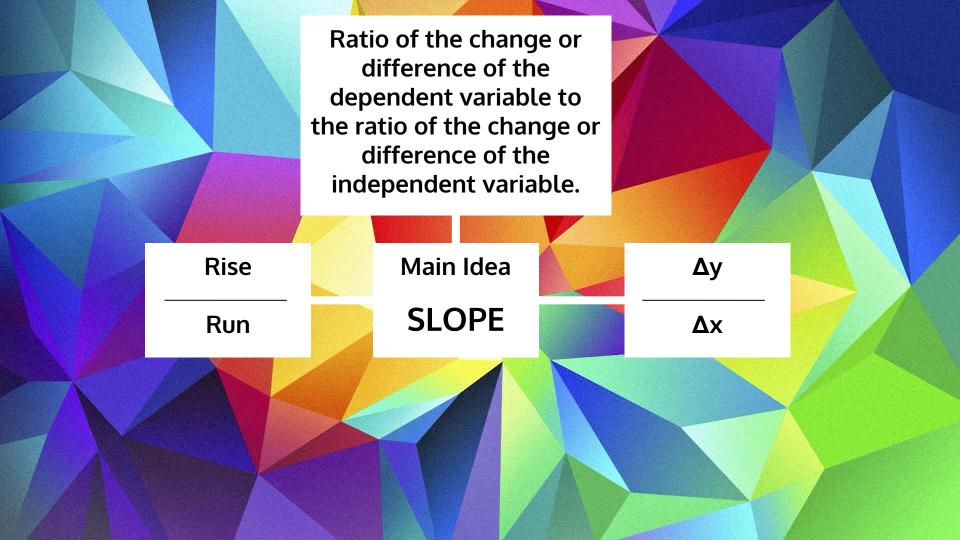


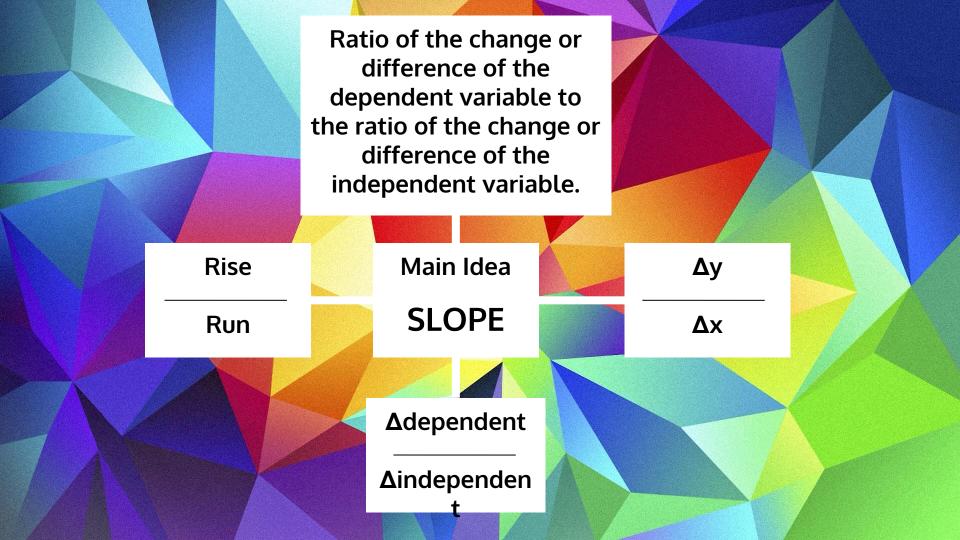












Finding Slope from a Graph
(m)

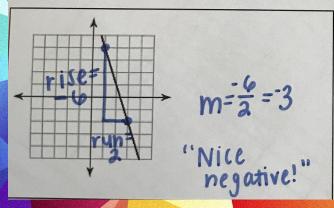
$$Slope = \frac{rise}{run} \leftarrow \text{Height of } \subseteq I$$

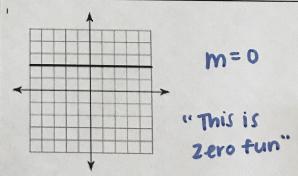
Finding Slope from a Graph (m)

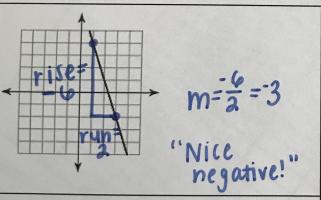
Slope =
$$\frac{rise}{run}$$
 \leftarrow Height of $\triangleleft I$ \leftarrow Width of \triangleleft

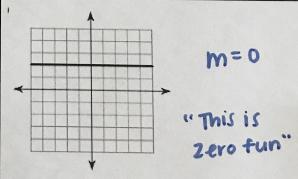
Reminders:

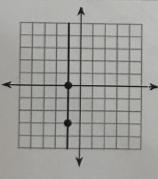
- Count spaces, not lines
- · Always <u>reduce</u> or simplify if possible
- Ask yourself WWSDD (what would slope dude say)



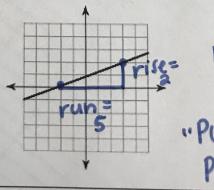








m is undefined!



m=3

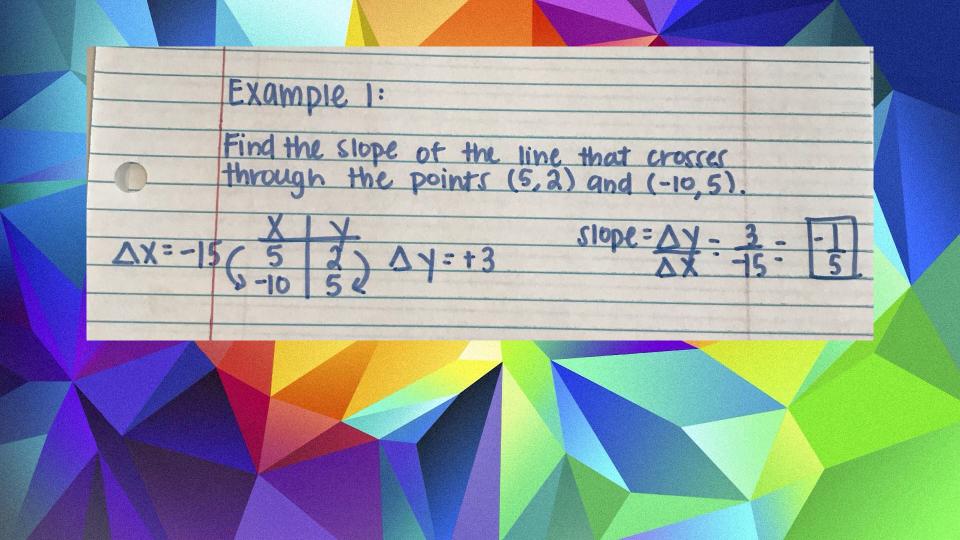
"Puff puff positive"

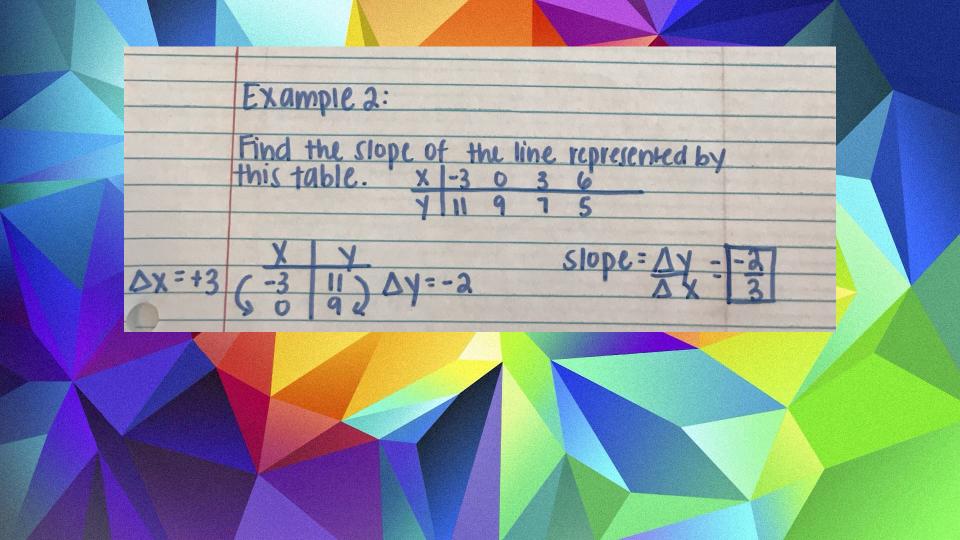
Finding Slope From A Table or Points

The formula for slope is:

Slope = ΔY ΔX

* use your # line
to find by
and bx!





Practice Problems pg. 296 # 9 - 25 odd

Homework:

pg. 296 8, 12, 16, 18, 22, 23, 24, 26, 28, 30, 34, 36, 41, 42, 44, 46