

Notes- Slope.notebook

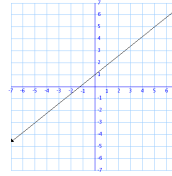
Slope (Math 7 Plus)

Slope: The _____ that describes the _____ of a line.

$$\text{slope} = m = \frac{\text{vertical change} = \text{rise}}{\text{horizontal change} = \text{run}}$$

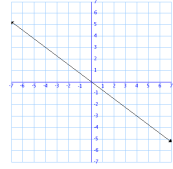
Types of slope:

Positive



Slant goes _____
from left to right.

Negative

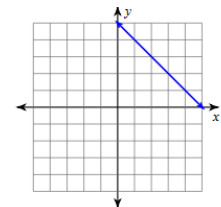
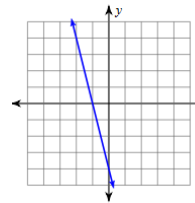
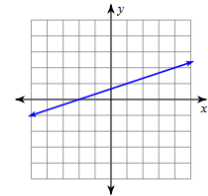
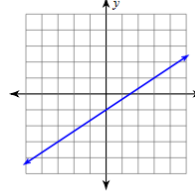


Slant goes _____
from left to right.

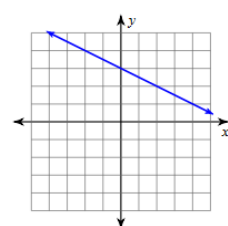
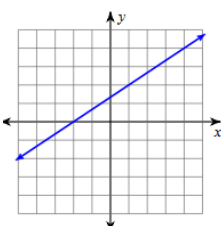
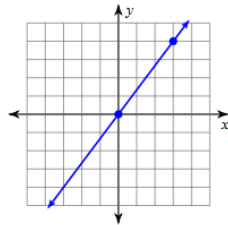
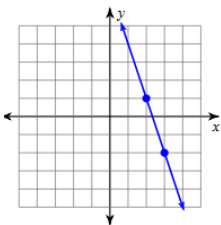
Finding slope from a graph:

1. Find two points
2. Count number of spaces up(positive) or down(negative). This will be your _____.
3. Count number of space right(positive) or left(negative). This will be your _____.

Find the slope of a line:



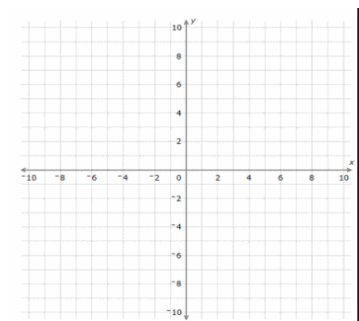
Your turn: Find the slope of the line



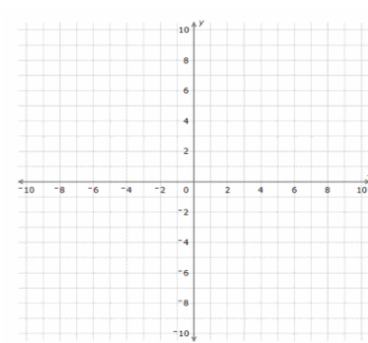
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Find the slope:

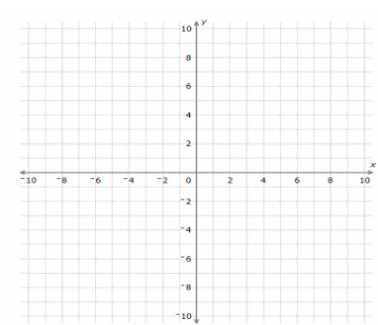
(3, 8) (-3, 7)



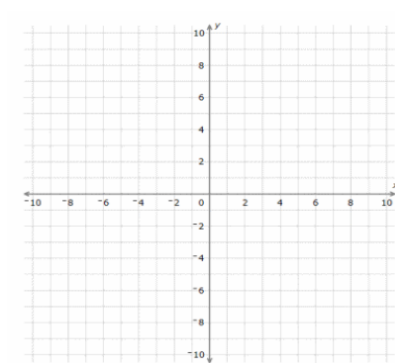
(6, -10) (7, 4)



(5, 8) (4, 6)



(0, 6) (-3, 12)



When given two points, you can also use a formula to find slope:

$$\text{slope} = \frac{y_2 - y_1}{x_2 - x_1} = \frac{\text{change in vertical}}{\text{change in horizontal}}$$