

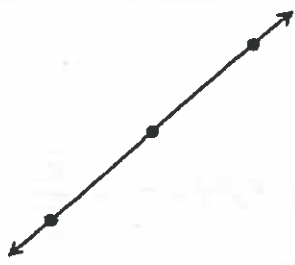
Main Ideas/Questions	Notes/Examples
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Rate of Change

ratio between the vertical change and horizontal change of a line

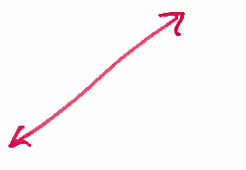
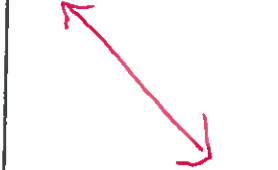


On a linear graph, this is called the slope of the line!

Slope



- Slope is written as a ratio of the vertical change (rise) to the horizontal change (run) between any two points on a line.
- This remains constant for any two points on the same line.
- Slope is written as a fraction in simplest form.
- Variable for slope: m

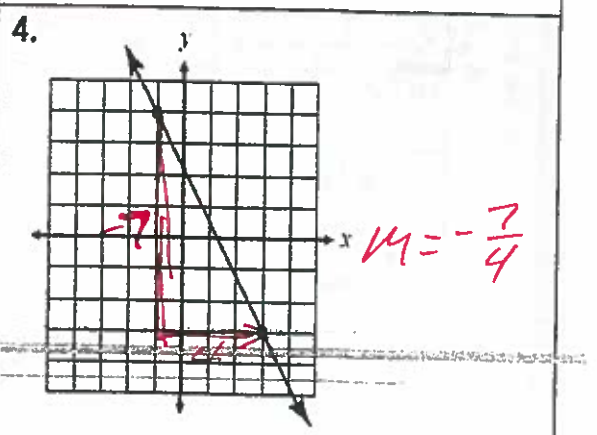
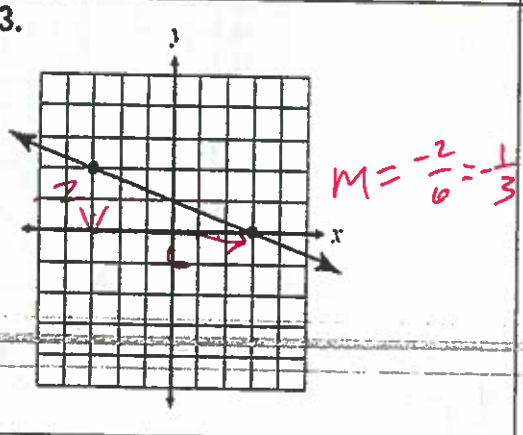
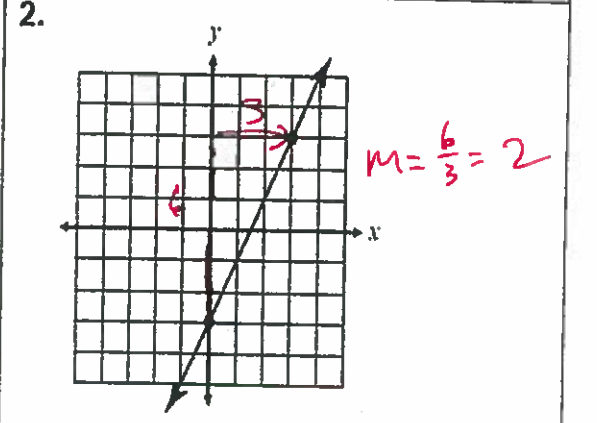
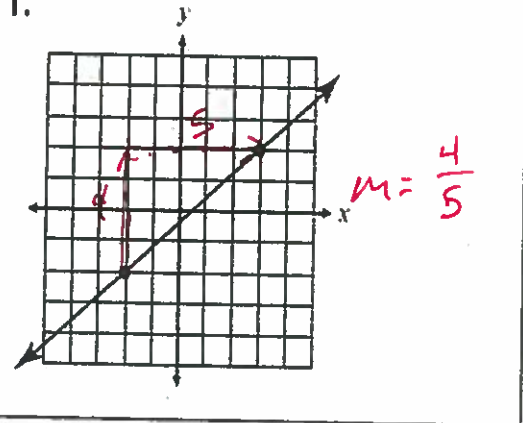
Types of Slope

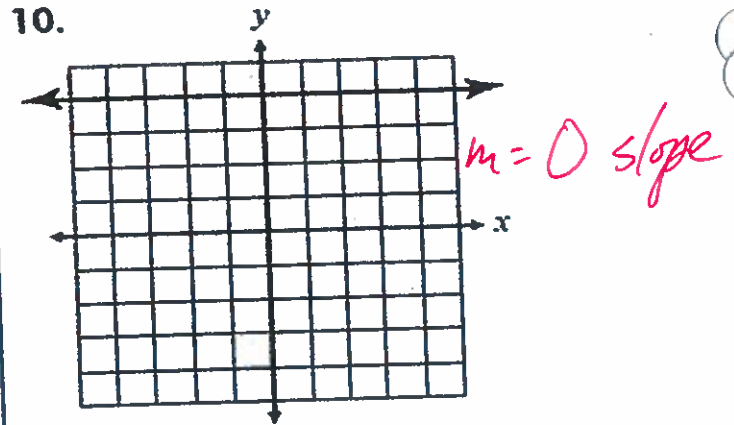
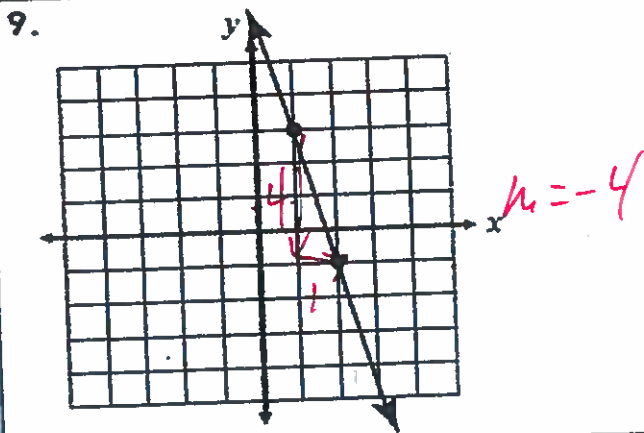
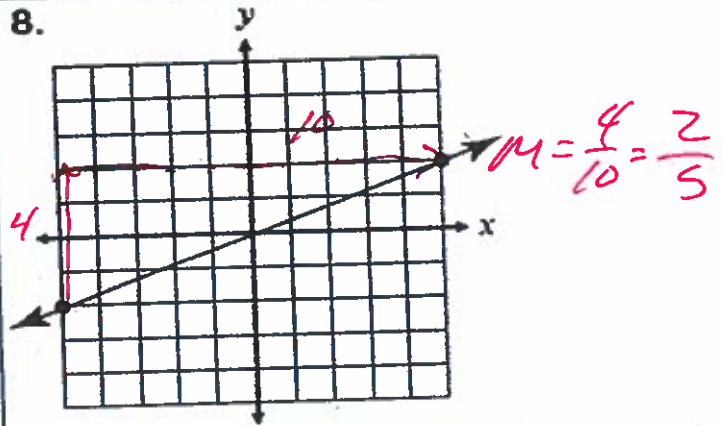
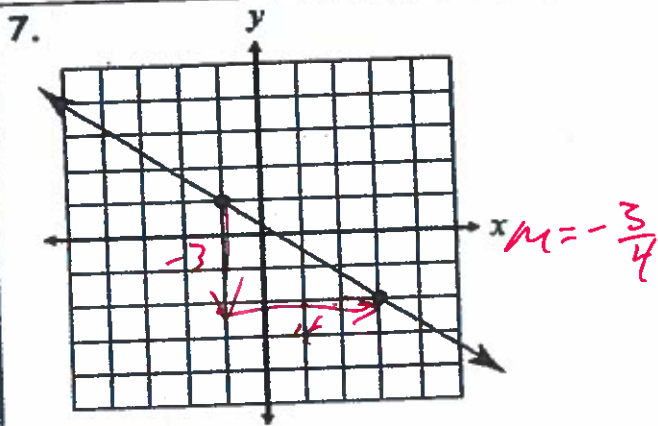
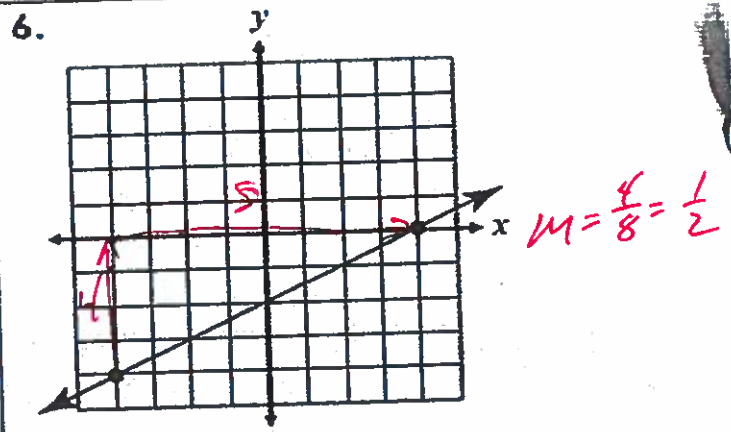
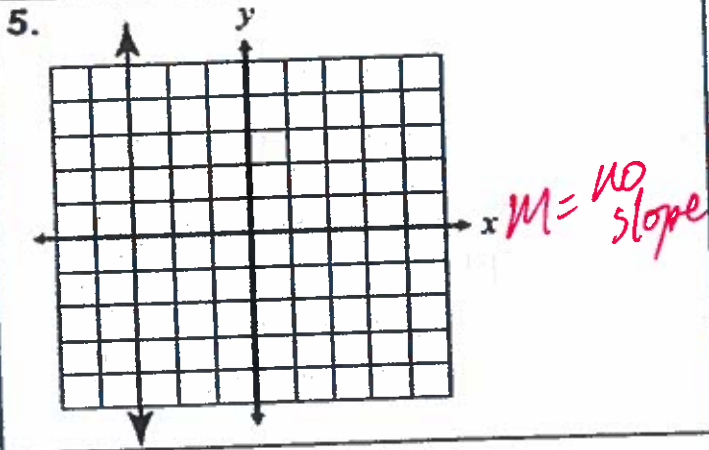
			
<u>positive</u>	<u>negative</u>	<u>0 slope</u>	<u>no slope</u>

Finding Slope on a Graph

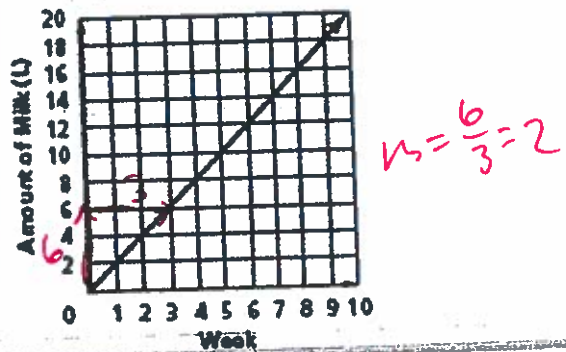
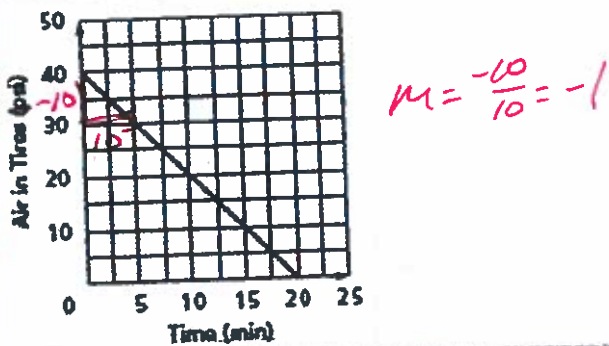
$$m = \frac{\text{rise}}{\text{run}}$$

Directions: Find the slope of each line. Write your answer in simplest form!





Find the rate of change/slope for each linear function. Explain what it means.



As one minute goes by you lose 1 psi.

As 1 week goes by we gain 2 Litres of milk.