

Linear Function Model

_____ functions graph as _____.

Slope measures the _____ of a line or its _____.

answers “how _____ are the _____ changing compared to the _____?”
rate:

Examples:

Generalizing...

when _____ are BOTH _____ \rightarrow slope is _____

when, as _____ increase, _____ decrease \rightarrow slope is _____

Slope Formula

Given that _____ and _____ are _____ on a line,

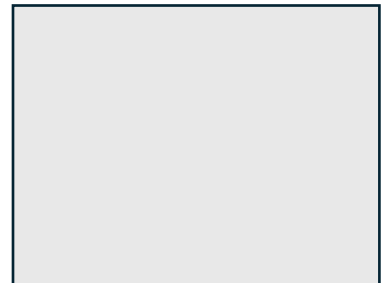
then the line's _____ is determined by the formula:



ex. Find the slope of the line containing _____.

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ex. Given that a line contains _____ and has a slope of _____, find t .



Determine the Equation of a Line**Slope-Intercept Format**

versus

Point-Slope Format

ex. Use the _____ format to determine _____ that has
a _____ and contains _____. Write result as a _____.

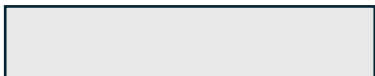
Identify Slope from a Linear Equation

ex. Given _____, identify the _____ and _____.

Tip: be able to write intercepts as *ordered pairs*.

Do:

- a) Determine the slope of a line containing _____ and _____.
- b) Use Point-Slope formula to determine the linear equation based on information above.



- c) Express linear equation as a function.

Special Cases of Lines

Horizontal Line is called a _____.

ex.

$m =$

domain:

range:

Vertical Line is NOT a _____. Why not?

ex.

m

domain:

range: