

Math 10 unit 4.3: Graphing Linear Functions

A) What is a linear function?

Linear:

Function:

B) How to graph if given slope and a point?

Remember: slope = m =

Ex: graph: slope = $\frac{1}{2}$ and passes through point $(-4, 1)$.

Ex: graph the linear function given slope = and passes through point $(-4, 1)$.

Ex: graph the linear function given $m =$ and passes through point $(1, 3)$.

C) What are intercepts?

-where the line passes crosses the x or y-intercepts.

Ex:

-there are 2 types of intercepts:

-a linear relation can have 3 kinds intercepts:

Ex: given $m=2$ and x-intercept $(-2, 0)$, graph the linear function.

Ex: given $m=-0.5$, and y-intercept is 2, graph the line.

Ex: given $m = \frac{1}{2}$ and point $(3, 4)$ find $(11, y)$

-do pg 223 #1, 4-6: first column
-quiz next day unit 4.1-4.3