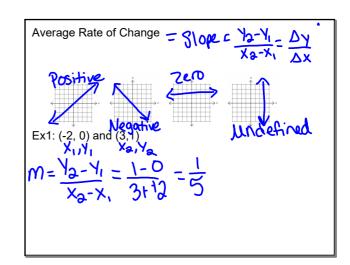
Unit 1- Functions and their Graphs Lesson 1.1
Objective: SWBAT find the average rate of change and write linear functions including parallel and normal lines. Kickoff
What do you remember about linear functions? List as much as possible!
Constant Slope

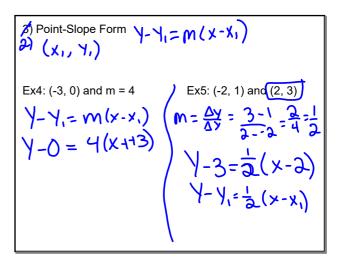
Thirty Constant

Some New York Constant



Equations of Lines

1) Slope-Intercept Form $A \cap A \cap A \cap A \cap A \cap A$ Find $A \cap A \cap A \cap A \cap A$ Ex2: $A \cap A \cap A \cap A \cap A$ $A \cap A \cap A \cap A \cap A \cap A$ $A \cap A \cap A$ A



4) General Form

**when a = 0 By+C=0

**when b = 0

Ax+C=0 Vertical

Fig. 1. Ax+C=0 Vertical

Ax+C=0 Vertical

**when b = 0

Ax+C=0

***when b = 0

Ax+C=0

Ax+C=0

***when b = 0

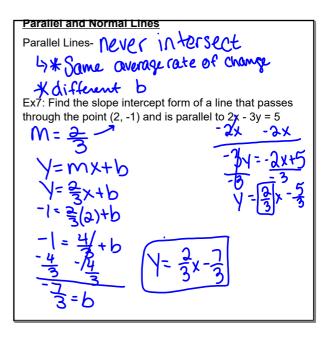
Ax+C=0

Ax+C=0

***when b = 0

Ax+C=0

Ax+C=



Normal Lines- perpendicular lines

(> *Slopes are negative reciprocols)

(Change and flip)

Lines form right $\frac{1}{2}$ Ex8: Find the point slope form of a line that passes through the point (2, -1) and is parallel to 2x - 3y = 5M = $-\frac{3}{2}$ $1 - \frac{3}{2}$ $1 - \frac{3}{2}$

Sum it up.

How do you find the average rate of change of a line and how do you use it to write equations of a line?