4.2 Slope-Intercept Form

Quick Write-

Objective:
TSW find the slope of lines by
*interpreting tables
*graphing
*using slope formula from two points
*_____

Vocabulary
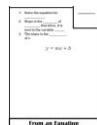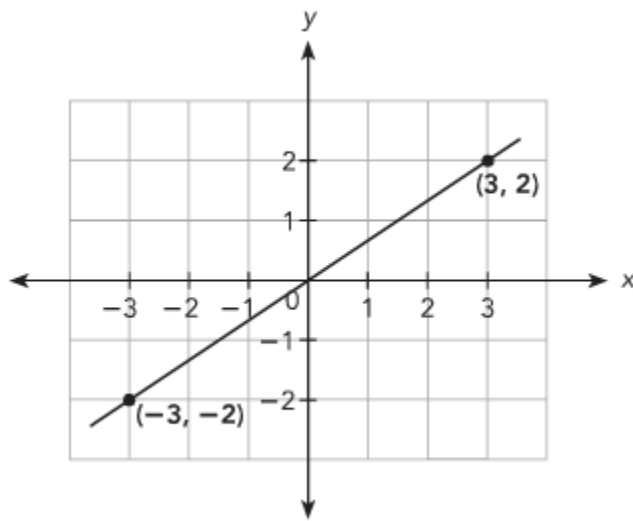- What is slope-intercept form?

Visual example:

Find slope using equations

From an Equation

Write an equation in the form $y = mx$ or $y = mx + b$ for each line.

Example 6- Find Slope using a graph

a)

(3, 2)

(−3, −2)

1. Find two coordinate points
2. Use slope formula to find slope of line
   $$= \frac{y_2 - y_1}{x_2 - x_1}.$$
3. Locate y-intercept (0,?)
4. Substitute the value of and b in the equation
   $y=mx$ or $y = mx+b$

1.
2.

3.

4.

b)

(0, 2)

(3, −1)