1. Create a table using $f(x) = x^2 + 5$ for the domain

of
$$\{-3, -2, 0, 2, 3\}$$

 $f(-3) = (-3)^2 + 5 = 14$
 $f(-2) = (-2)^2 + 5 = 9$
 $f(0) = (0)^2 + 5 = 5$
 $f(2) = (2)^2 + 5 = 9$
 $f(3) = (3)^2 + 5 = 14$

- 2. Find the slope from the 2 points:
 - a) (-9, 3) & (-2, 3) = 0
 - b) (14, 6) & (2, -6)
 - c) (-5, -8) & (-5, -4)

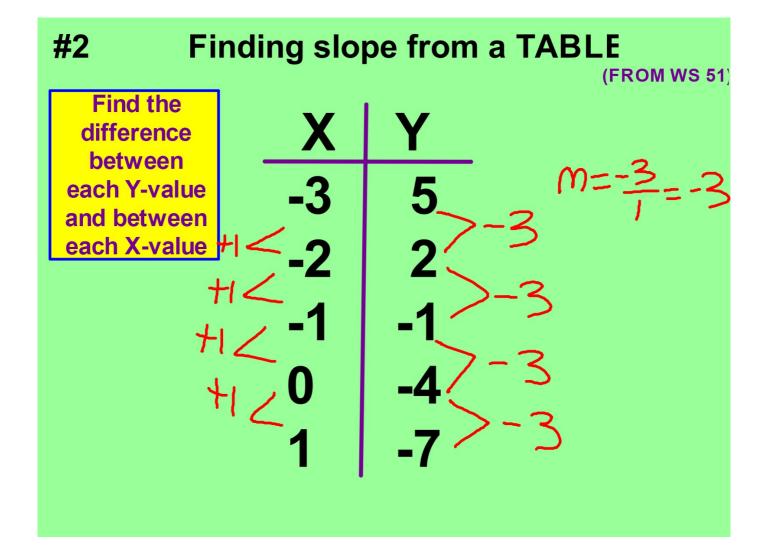
b)
$$\frac{-6-6}{2-14} = \frac{-12}{-12} = 1$$
 m=1

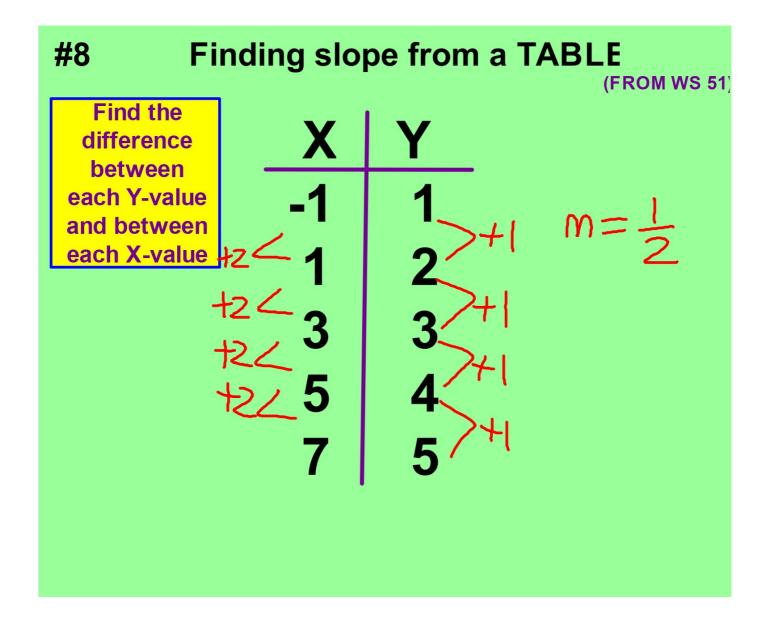
- C) X-values→SAME M= Ø
- 3. Translate to an equation and solve: Find 3 consecutive integers whose sum is -72.

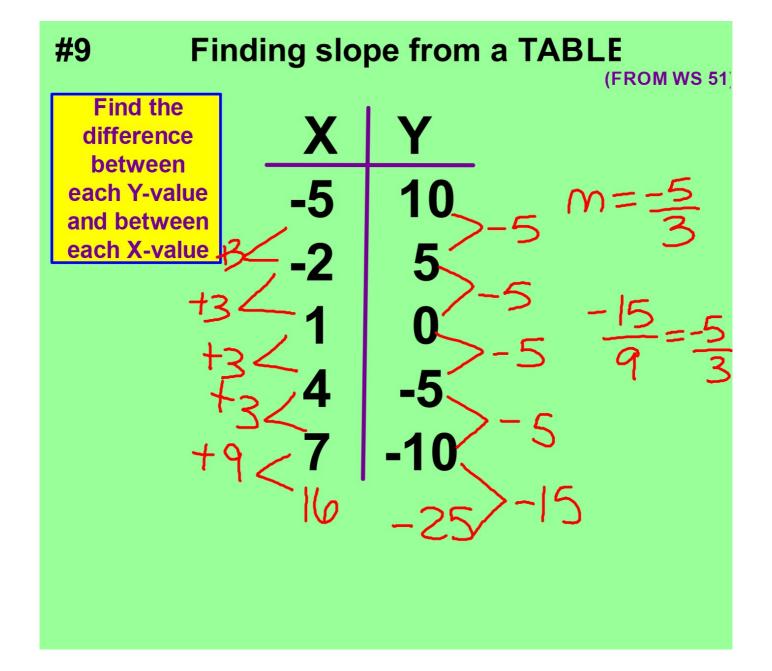
$$X=1^{st}\#-25$$
 $X+1=2^{m}\#-24$
 $X+2=3^{m}\#-23$
 $X+3=-72$
 $X+2=3^{m}\#-23$
 $X=-75$
 $X=-25$

#1 Finding slope from a TABLE

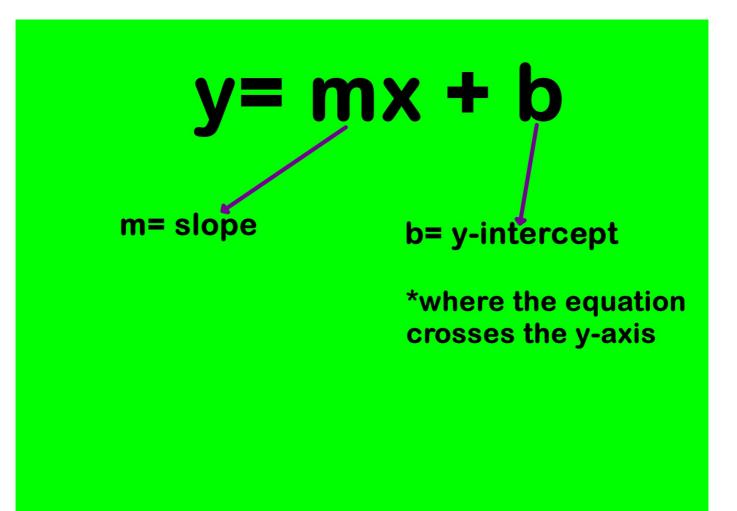
(FROM WS 51) Find the X difference between each Y-value and between each X-value +











Slope and Y-intercept from an EQUATION

(From Slope Practice #30)

1.
$$y = -2x - 4$$
 $m = -2$ $b = -4$

5.
$$4x + y = 3$$
 $m = -4$ $b = 3$
 $-4x - 4x$
 $y = -4x + 3$

Slope and Y-intercept from an EQUATION

(From Slope Practice #30)

$$(-6,2)$$

9.
$$10x + 5y = 25 \text{ m} = -2 \text{ b} = 5$$

$$-10x - bx$$

$$5y = -10x + 25$$

$$5 = 5$$

$$m = \frac{\frac{1}{2}}{2}$$

$$b = \frac{-3}{2}$$

$$9=-3$$
 $(-4,-3)$
 $(5,-3)$
 $(0,-3)$

$$M = 0$$
 $b = -3$

 $\begin{array}{c}
15 \\
x + 7y = 9 \\
-x \\
xy = -x + 9 \\
-x + 9 \\
y = -\frac{1}{2}x + 9 \\
y = -\frac{1}{2}$