

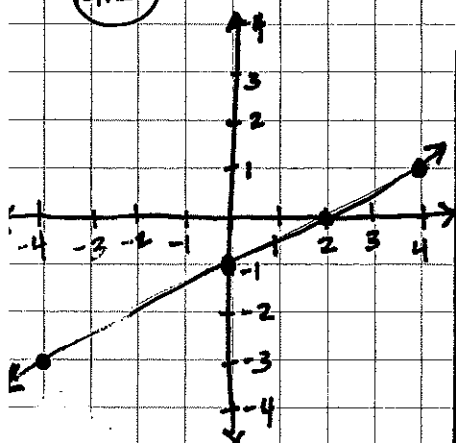
# QUIZ CORRECTION FORMAT

Directions: You will receive  $\frac{1}{2}$  pt for each question. You MUST follow the format outlined below. If the format is not followed, you will not receive credit. Your name must be on every paper. Attach on separate piece of graph paper.

## QUIZ/TEST CORRECTION FORMAT

MAKE SURE TO PUT CORRECT #!!  
#3

ORIGINAL QUESTION



Find the slope, y-intercept + Equation.

ORIGINAL ANSWER AND WHY.

$$\text{slope} = \frac{2}{1}$$

$$\text{y-intercept}(b) = (0, 2)$$

equation:

$$y = \frac{2}{1}x + 2$$

① I thought my slope was  $\frac{2}{1}$  because I ran to the right 2 and rose up 1.

② I originally thought my y-intercept was 2 because my line crosses the x-axis at 2.

③ I plugged in my y-int + slope to slope-intercept form equation.

CORRECTION SOLVED WITH EXPLANATION

$$\textcircled{1} \text{ slope} = \frac{1}{2}$$

I realize my mistake was I "ran" before I rose. I should have rose up 1 and ran to the right 2. My slope is  $\frac{\Delta y}{\Delta x}$ , so I know it is  $\frac{1}{2}$ .

I know my slope is positive because up is in the positive direction and right is in the positive direction and  $\frac{+}{+} = +$ . The line is also a "putt putt positive".

② The y-intercept should be (0, -1), I know my y-int is where the line crosses the y-axis, not the x, and is always in the form (0, b).

③ Since my slope and y-int were incorrect, so was my equation. It should be

$$y = \frac{1}{2}x - 1$$