given a groph: m= Rise

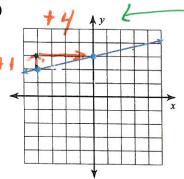
Date Period

FUNC.b.1

Given the graph of a line, find the slope.

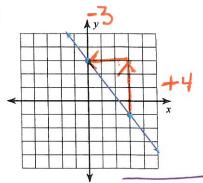
Clearly show your work. Label your your calculations and final answer using the correct variable notation. Circle your final answer.

1)



show work

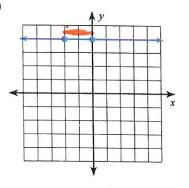
2)



Leave fractions Leave fractions improper fraction

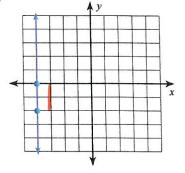
Label calculation with the variable "m"

3)



$$m = \frac{0}{1}$$

4)



Must include m.

M=UNDEFINED

FUNC.b.2

Given a function, in slope-intercept form, graph the line and identify the slope and y-intercept.

Graph the linear function(s).

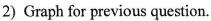
1) State the slope and y-intercept using the correct variable notations. (GREEN)

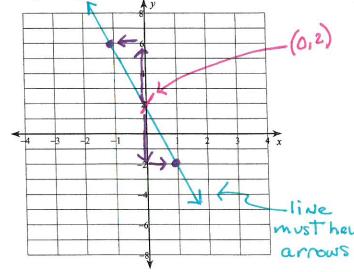
Show this

- 2) Label the graph with a "Y" for the y-intercept. (PINK)
 3) Clearly show how you used slope to identify 2 additional points. (Purple)
- 4) Draw the line. (blue)
- WORK)

1)
$$f(x) = -4x + 2$$

$$m = -\frac{4}{1}$$
 $b = 2$

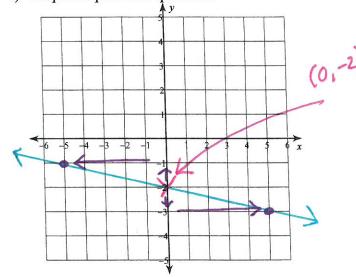




3)
$$f(x) = -\frac{1}{5}x - 2$$

$$M = -\frac{1}{5}$$
 b=-2

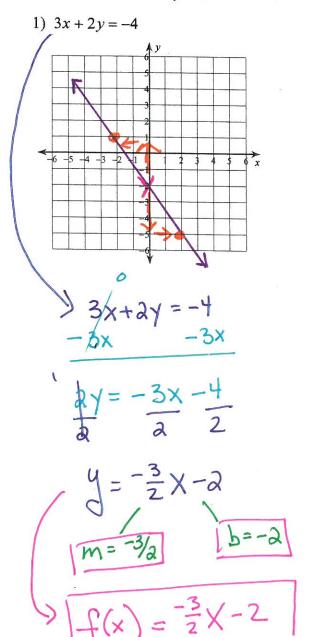
4) Graph for previous question.

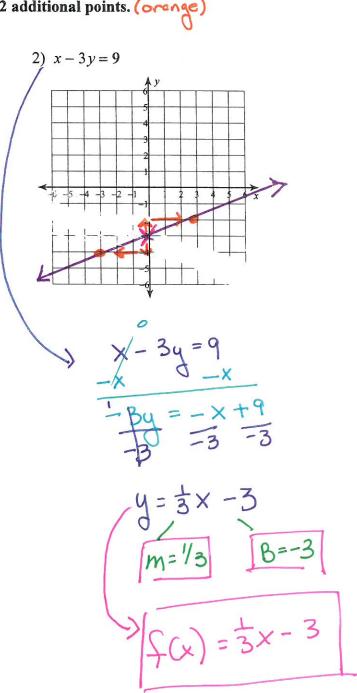


FUNC.b.3

Given a function, NOT in slope-intercept form, graph the line and identify the slope and y-intercept. Y=MX+B T

- 1) Write the linear function in slope intercept form. Clearly show your work and write using function notation. (blue)
- 2) State the slope and y-intercept using the correct variable-notations. (Green)
 3) Label the graph with a "Y" for the y-intercept. (PINK)
 4) Clearly show how you used slope to identify 2 additional points. (orange)
 5) Draw the line. (Purple)





Date Period

FUNC.b.4

Write and graph a linear equation, using appropriate scale and labels, given a real world example.

For the following real world problem:

(a) Rewrite the given equation in slope-intercept form;

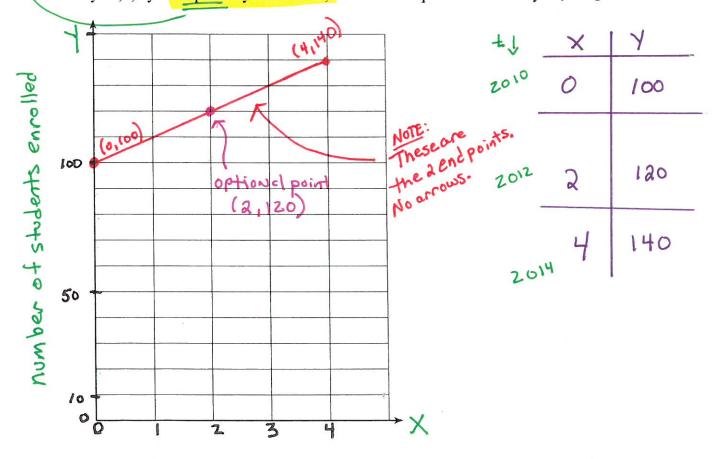
and define your x and y variables using correct units. Show your work HERE:

students enrolled

X=t=number of years since 20

- (b) Sketch the graph of this equation using appropriate labels and scales for the given graph.

 Both scales must start at zero(0).
- (c) For your graph clearly identify 2 points and explain how you found these points. TABLE
- 1) For 2010 through 2014, a small Maine High School's student enrollment, y, was related to the year, t, by the equation y-10t-100=0, where t=0 represents the first year, 2016



number of years since 201