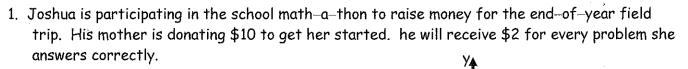
## Graphing a Line Given Slope and Y-Intercept

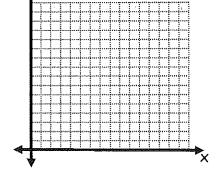
Class Notes

Name_			
	÷ .	v	出场

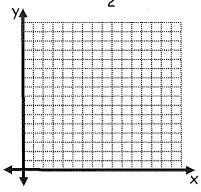
Period



- a. Graph the situation.
- b. What is the slope?
- c. What is the y-intercept?
- d. How many answers does she have to get correct to earn \$34?



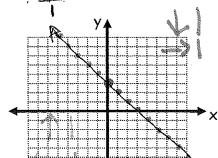
- 2. Patti bought a plant that was 8 inches tall. The plant is growing at a rate of  $\frac{1}{2}$  inch per week.
  - a. Graph the situation.
  - b. What is the slope?
  - c. What is the y-intercept?
  - d. How tall will the plant be in 9 weeks?



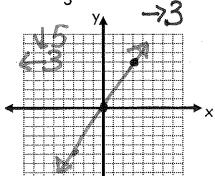
Graph each of the following given the slope and y-intercept. Slope: (1)



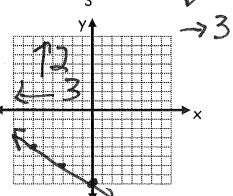
3. m = -1, (0, 3)



4. 
$$m = \frac{5}{3}$$
; (0,0) 15 5.  $m = -\frac{2}{3}$ ,  $b = -8$ 



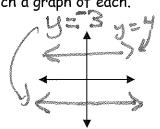
5. 
$$m = -\frac{2}{3}$$
,  $b = -8$ 

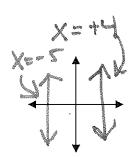


## Linear Graphing LG6

6. There are four types of slope. Name and sketch a graph of each.







tasitive

Negative

Zero

Undefined

Given the following equations in slope—intercept form, state the values for the slope and y—intercept and graph. Below each graph, identify the type of slope.

7. 
$$y = -x + \frac{1}{2}$$

9. 
$$y = -\frac{x}{4} + 5$$

