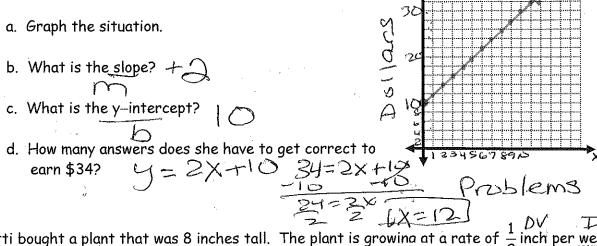
Graphing a Line Given Slope and Y-Intercept

Class Notes

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- 1. Joshua is participating in the school math-a-thon to raise money for the end-of-year field trip. His mother is donating \$10 to get her started. he will receive \$2 for every problem she answers correctly.
 - a. Graph the situation.
 - b. What is the slope? +
 - c. What is the y-intercept?

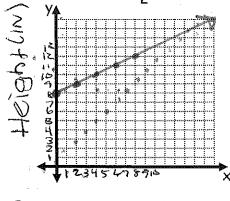


- 2. Patti bought a plant that was 8 inches tall. The plant is growing at a rate of $\frac{1}{2}$ inch per week
 - a. Graph the situation.
 - b. What is the slope?

c. What is the y-intercept?

d. How tall will the plant be in 9 weeks?

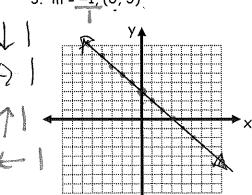


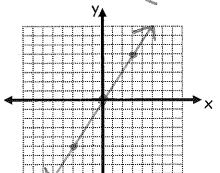


weeks

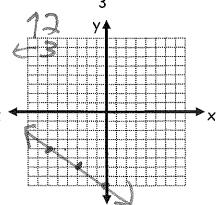
Graph each of the following given the slope and y-intercept.

3. m = -1, (0, 3)4. $m = \frac{5}{3}$; (0, 0)



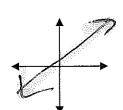


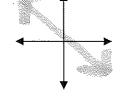
5. $m = -\frac{2}{3}$, b = -8

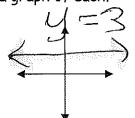


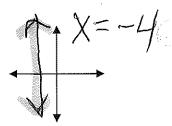
Linear Graphing LG6

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









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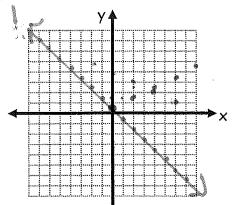
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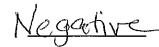
Zen

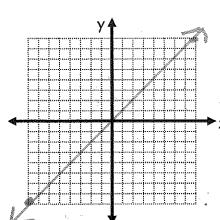
Undefred

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.

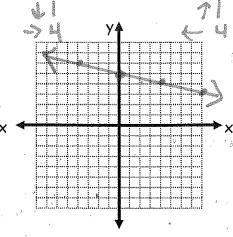
7. $y = -x + \frac{1}{2}$







Positive



<u>Megative</u>