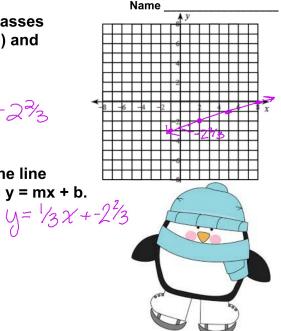
CW 3.3.4

1. Graph the line that passes through the point (2, -2) and has a slope of  $\frac{1}{3}$ .

Find the y-intercept. -2% 2(3)=3/2

-2-3/3=-2/3

Write the equation of the line in slope-intercept form y = mx + b.



	Given a point and a slope,
	write an equation in
	Slope-Intercept Form.
	£ 1
<del></del>	/ 0 2 m = 1

$$(-8, 3); m = \frac{1}{4}$$

(-2, 0); 
$$m = \frac{4}{3}$$

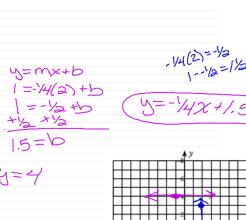
	14(-8)=2 3-2=5
y=mx+b 3=14(-8)+b	(y= 1/4 x + 5)
3 = -2 + 5 +2 + 2 5 = 5	
y=mx+b 5=7(-3)+b 5=10+b	-2(-3)=-10=-1 y=-2x+-/
1=6 u=mx+h	43(-2)=-8/3=4/3

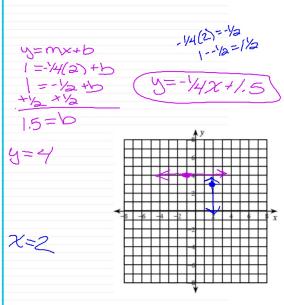
Given a point and a slope. write an equation in

$$(2, 1); m = -\frac{1}{4}$$

±w	rite an equat lope-Intercep	on in
5	(2, 1); m	$= -\frac{1}{4}$
HHH	^ 3	
HHH		m = 0
11111	horizz	ntal
ffff		
111111	2, 3); m =	undefin
HHH	``ຕີ	ae (in
1		

(2, 3); 
$$m = undefined \times 2$$





## **Real-Life Situation:**

A plumber charges a service fee plus \$27 per hour. After working 3 hours he charges you \$95.50. Write an equation to represent the situation. (Hint - find the slope and a point, and determine the y-intercept.)

