and b at different scales. 5.8: Finding

Ishmal sells high-definition televisions. He is paid a weekly salary of 20% B.20 x weekly salescommission of his total weekly sales.

a) Complete the table of values.

b) Graph the relationship.

7	
	7

Weekly Sales (\$)	Total Pay (\$)	Ismal's pas	
0	0		
1000	200	1800	m=
. 2000	400	5) 1400- E 1200-	L-
3000	600	1000 1000 5 600	
4000	800	400-200-	•
5000	1000	2000 4000 6000 8000 10000 12000 Weelcly Sales (\$\frac{1}{2}\$)	

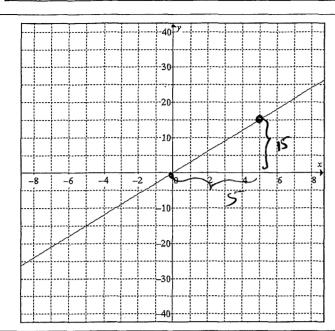
c) Write an equation to model the relationship.

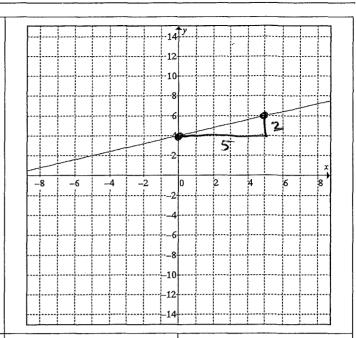
d) Determine Ishmal's pay if his sales for the week were \$8000. Show your work.

e) Ishmal made \$975. How much were his weekly sales? Show your work.

: this weekly sales were \$14875.

Date:





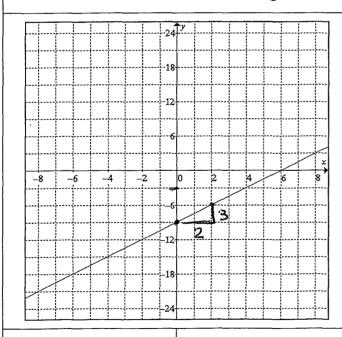
$$m = \frac{15}{5} = 3 \qquad b = 0$$

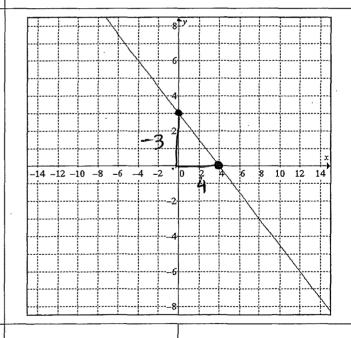
$$b = O$$

$$m = \frac{2}{5}$$

2. Equation of line:

1. Equation of line:





$$m=\frac{3}{2}$$

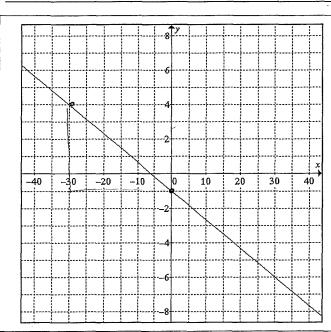
$$b = -9$$
.

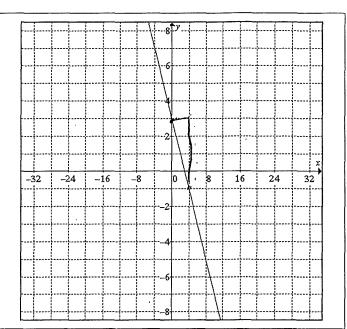
$$m=-\frac{3}{4}$$

3. Equation of line:

$$y=\frac{3}{2}x-9$$

$$y = -\frac{3}{4}x + 3$$



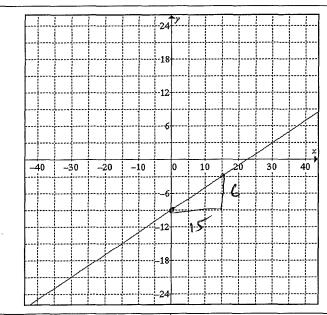


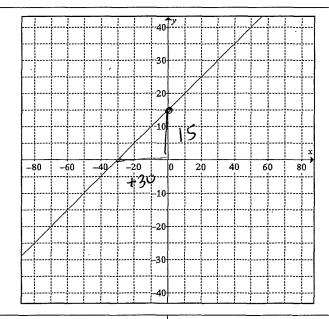
$$m = \frac{-5}{30} = \frac{-1}{6}$$
 $b = -1$

$$m = -\frac{4}{1} = -4$$
 $b = 3$

5. Equation of line:

$$y = -\frac{1}{6}x - 1$$





$$m = \frac{6}{15} = \frac{2}{5}$$
 $b = -9$

$$b = -c$$

$$m = \frac{15}{36} = \frac{1}{2}$$

7. Equation of line: