

# GRAPHING LINEAR EQUATIONS

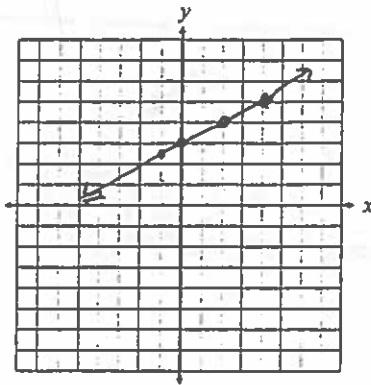
{Using a Table!}

Directions: Complete each table, then graph the equation.

1

$$y = x + 6$$

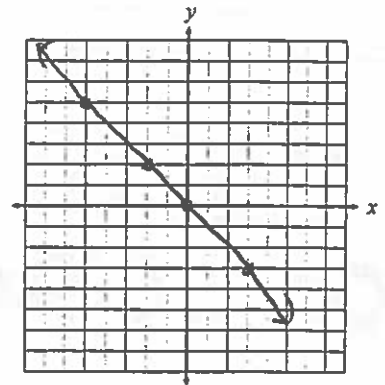
x	y
-1	5
0	6
2	8
4	10



2

$$y = -x$$

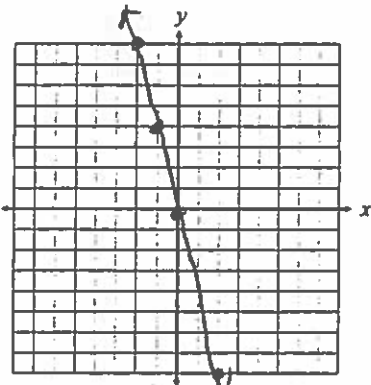
x	y
-5	5
-2	2
0	0
3	-3



3

$$y = -4x$$

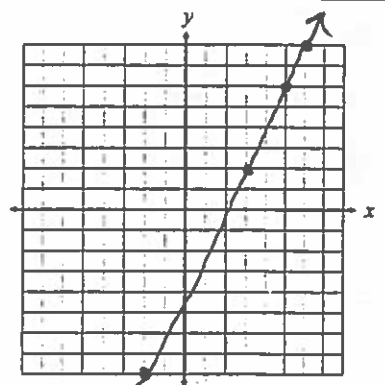
x	y
-2	8
-1	4
0	0
2	-8



4

$$y = 2x - 4$$

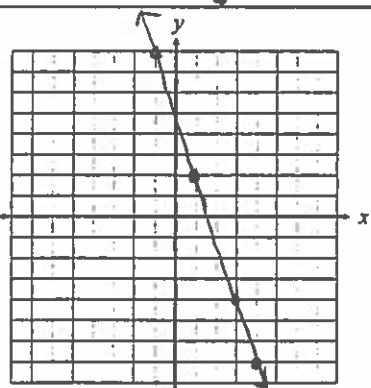
x	y
-2	-8
3	2
5	6
6	8



5

$$y = -3x + 5$$

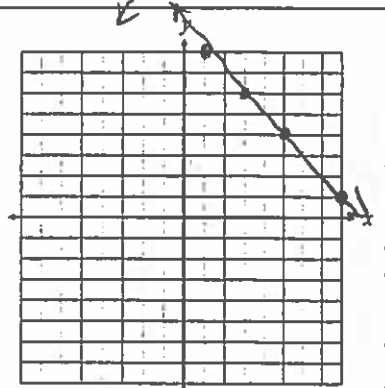
x	y
-1	8
1	2
3	-4
4	-7



6

$$y = -x + 9$$

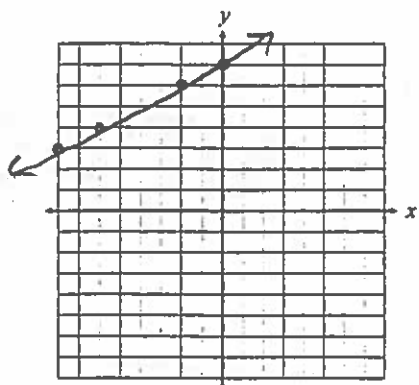
x	y
1	8
3	6
5	4
8	1



7

$$y = \frac{x}{2} + 7$$

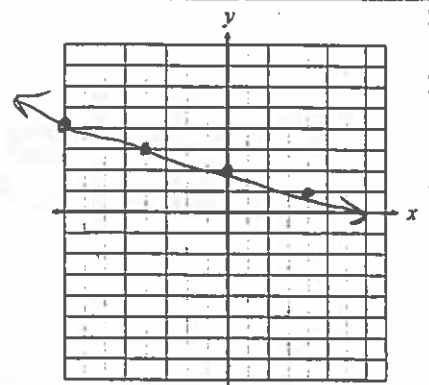
x	y
-8	3
-6	4
-2	6
0	7



8

$$y = -\frac{1}{4}x + 2$$

x	y
-8	4
-4	3
0	2
4	1



Mrs. Nadar's washing machine overflowed and wouldn't stop running. The plumber charges a fee of \$75 for a house call and an additional \$30 per hour of work. Mrs. Nadar is on a budget and she needs to know how much to plan for based on how long it takes the plumber to finish his work so she doesn't overdraw her bank account. What can she plan for based on the rates that the plumber is charging and not knowing how long it will take?

# Verbal Expression

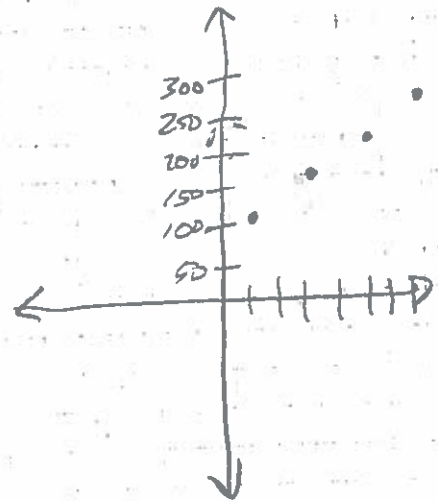
charges \$75 for a call and an additional \$30 per hour of work

# Equation

$$y = 30x + 75$$

$x = \text{hours}$        $y = \text{money spent}$

$x$	1	3	5	7
$y$	105	165	225	285



# Table

# Graph