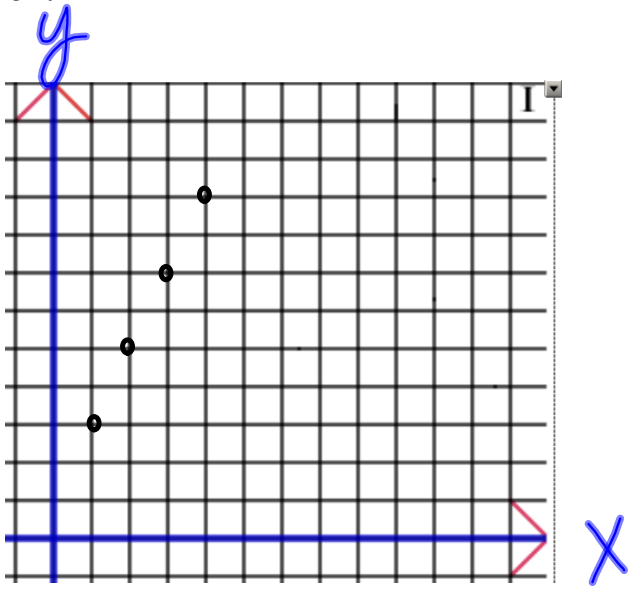
Write and graph the linear function.

x	y
1 ×2	3
2 ×2	5
3 ×2	7
4	9



$y = 2x + 1$

(x, y)

(1, 3)
(2, 5)
(3, 7)
(4, 9)

The following chart represents what a taxi charges.
(x represents # of kilometers, y represents the cost)

a) What is the initial cost? $3.00
b) What is the cost per kilometer? $2.00
c) Write the equation to represent this situation.
d) How many kilometers could you travel with $25.00.

# of km $

x	y
2 ×2	7
3	9
4	11
5	13

$y = 2x + 3$

$25 = 2x + 3$

$2x + 3 = 25 - 3$

$\frac{2x}{2} = \frac{22}{2}$

$x = 11$

Using the following equation to fill in the t-chart below.

$$y = 4x - 1$$

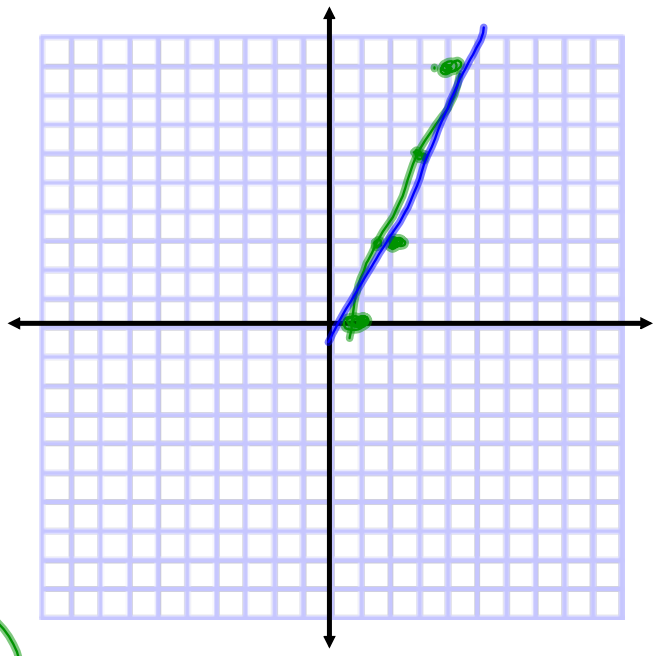
x	y
1	3
2	7
3	11
4	15

Using the following equation to fill in the t-chart, then graph.

$$y = 3x - 3$$

x	y
1	0
2	3
3	6
4	9

(1, 0) (3, 6)
(2, 3) (4, 9)



Mrs. Godfrey

~~Heather~~ **is getting married and she is designing her bouquet for her wedding. The cost is an initial fee of $150.00 and $5 dollars per rose.**

a) Make a t-chart to represent the situation.
a) Write the equation to represent this situation.
b) If she added 20 roses, how much would it cost?
c) How many roses could she add with $220.00?

# of roses X	$ Y
1	155
2	160
3	165
4	170
5	

$y = 5x + 150$

$= 5(20) + 150$

$= 100 + 150$

$= 250$

c) $220 = 5x + 150$

$5x + 150 = 220 - 150$

$\frac{5x}{5} = \frac{70}{5}$ $x = 14$ roses

Check out Pages 171 & 172

#9, 10, 11, 12, a,b,c,e, 13, 15