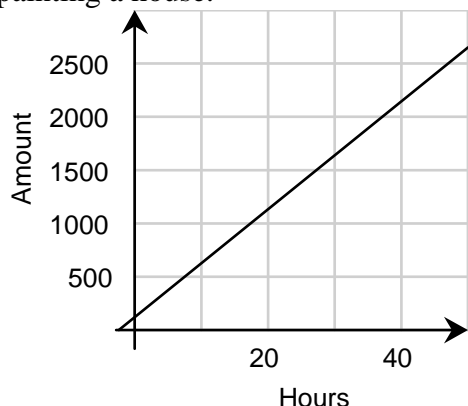


NAME: _____

1. Use the problem solving strategy *Use a Graph* to determine the amount of money a painter earns if she works for 45 hours painting a house.



2. Harriet charges \$10 per hour for cleaning houses.
- Write a rule to describe how the amount of money M earned is a function of the number of hours h spent cleaning.
 - Make a table of values.
 - Graph the function.

3. A photographer charges \$50 for a sitting, which includes one 5×7 print. The charge for each extra 5×7 print ordered is \$12. Complete the table of input/output pairs for the function. Then graph it.

x	1	2	5	10
y	\$50			

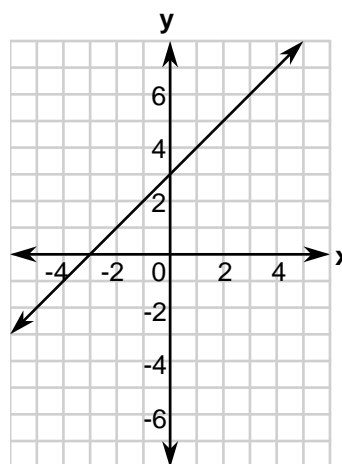
4. With a graphing calculator, graph this equation: $y = 0.3x + 1.5$. Use the graphing calculator to find the value of the x -intercept to the nearest hundredth.

5. Use a graphing calculator to graph each of these equations on the same coordinate axes:
 $y = 5 - 2x$, $y = 8 - 2x$, $y = 2x$, $y = -3 - 2x$,
 $y = -4 - 2x$
 From the graphs, tell which of these equations has the greatest value for y when $x = -5$.

6. Create an input/output table for the equation $y = 4x - 1$. Be sure your table includes at least three input/output values.

7. Find two solutions of $y = 2x + \frac{1}{2}$.

8. Which table of data is displayed in the graph below?



[A]

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

[B]

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

[C]

x	y
-2	-1
-1	$\frac{1}{2}$
0	0
1	$-\frac{1}{2}$

[D]

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

[E]

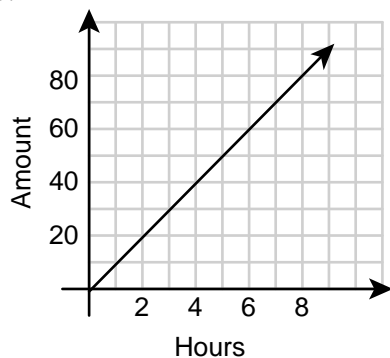
x	y
-2	-1
-1	$-\frac{1}{2}$
0	0
1	$\frac{1}{2}$

[1] \$2400 _____

- a. $M = 10h$
b.

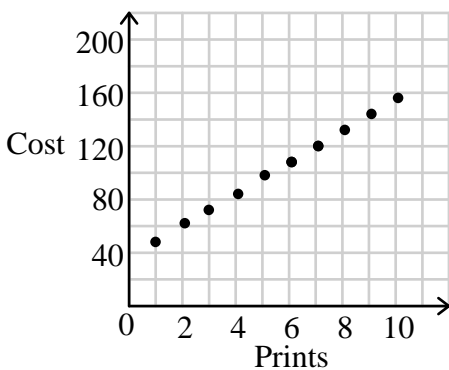
h	1	2	3	4	5	6	7	8
M	10	20	30	40	50	60	70	80

c.



[2] _____

x	1	2	5	10
y	\$50	\$62	\$98	\$158



[3] _____

[4] -5 _____

[5] $y = 8 - 2x$ _____

Tables will vary. Sample:

x	$y = 4x - 1$	(x, y)
1	3	(1, 3)
-1	-5	(-1, -5)
2	7	(2, 7)
-2	-9	(-2, -9)
0	-1	(0, -1)

[6] _____

Answers may vary. Sample: $\left(0, \frac{1}{2}\right)$ and

[7] $\left(1, 2\frac{1}{2}\right)$ _____

[8] B _____