

MidtermReviewANS p2,3,4

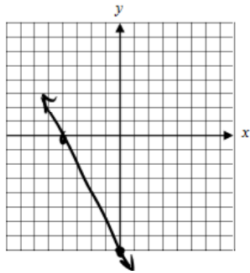
Answers to Linear Equations

1.

x	Y = 4x - 2
-2	-10
-1	-6
0	-2
1	2
2	6

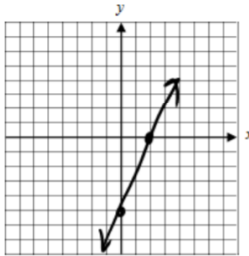
2. a)

x int (-4,0) , y int (0, -8)



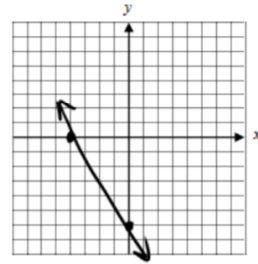
b)

x int (2,0) , y int (0, -5)

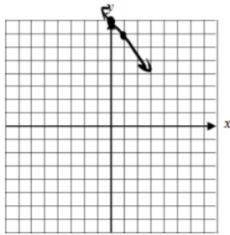


c)

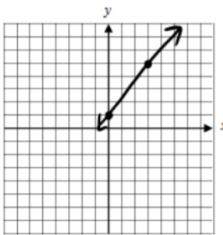
x int (-4,0) , y int (0, -6)



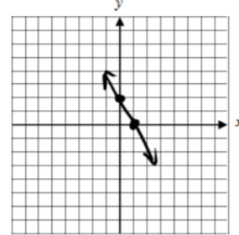
3. a)



b)



c)



4. m=6

5. a) $y=2x+8$

b) $y=-3x+2$

c) $y=-1/3x$

d) $y=2x+2$

e) $y=4x-3$

f) $y=2.5x$

g) $y=-7x+5$

h) $y=-1/5x+4$

i) $y=1/2 x-1$

j) (pick any number bigger than 3) $y=4x$

k) $y=-0.5x+4.5$

l) $y=1.5x-2.5$

6.a) $y=-1/2x+4$

b) $y=10x+25$

c) $y=-0.2x+50$

7.

a) x represent month
y represent customers
 $y=50+3x$

b) 25 months

8.

a) x represent weeks
y represent vocabulary
 $y=10+3x$

b) 166 words

9.

a) x represent month
y represent cost
 $y=150+30x$

b) \$1230

10.

x	y
0	-2
1	1
2	4
3	7
4	10
5	13

a) rate of change = slope $\frac{\Delta y}{\Delta x} = \frac{3}{1}$

b) slope = 3

c) y-int = -2

d) $y=3x-2$