1. Find the rate of change. Give your answer as a decimal rounded to the nearest tenth and include units on your answer.

a.

| Gallons | Miles | |
|---------|-------|--|
| 3 | 126 | |
| 5 | 210 | |
| 8 | 336 | |
| 12 | 504 | |

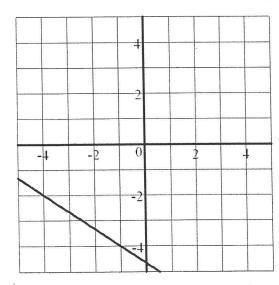
b. 800 y all of milk gal of milk 400 200 12 # of Cows

2. Find the slope of the line that passes through each pair of points.

- a) (-8, 13)
- (-8, -12)
- b) $(\frac{1}{6}, 12)$ & $(\frac{8}{6}, 3)$

3. Write the equation of the line in Point-Slope Form that passes through the given two points: (4,-3)&(-2,9)

4. Write the equation of the line in the graph in Point-Slope Form:



Algebra 1 Bellwork

b.

Algebra 1 Bellwork Monday, November 3, 2014 ANSWERS

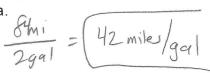
1. Find the rate of change. Give your answer as a decimal rounded to the nearest tenth and include units on your answer.

| | | _ | a. |
|--------------|---|-------|----|
| afrai () | | Sylva | |
| = 42 miles/2 | 1 | OM | |

Miles

210 336

504



| 9 | | _ | | |
|---|----|----|---------|---|
| | | | | |
| 6 | 12 | 18 | 24 | |
| | 9 | 9 | 6 12 18 | 9 |

| 100 gal | | 01/ |
|---------|------|------------|
| 9 | 1101 | Jal/ (010) |
| 9 cows | | 7 (656 |

2. Find the slope of the line that passes through each pair of points.

12

Gallons

b)
$$(\frac{1}{6}, 12)$$

b)
$$(\frac{1}{6},12)$$
 & $(\frac{8}{6},3)$

$$\frac{12-3}{1-8} = \frac{9}{-\frac{7}{6}} = \frac{9.6}{7}$$

$$\boxed{M = -54/6}$$

3. Write the equation of the line in Point-Slope Form that passes through the given two points:

$$(4,-3)&(-2,9)$$

$$M = \frac{9-3}{-2-4} = \frac{12}{-6} = -2$$

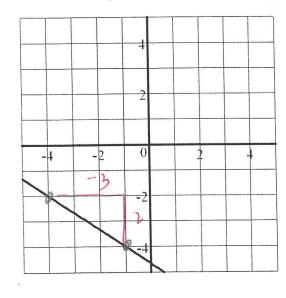
using
$$(4,-3)$$

$$y+3=-2(x-4)$$
or

Using
$$(-2,9)$$

$$y-9=-2(x+2)$$

4. Write the equation of the line in the graph in Point-Slope Form:



$$M = -\frac{2}{3}$$
using $(-4,-2)$

using
$$(-4,-2)$$
 $y+2=-\frac{2}{3}(x+4)$

using
$$\left(-1,-4\right)$$
 $y+4=-2/3(x+1)$