Algebra 1 Bellwork Thursday, January 7, 2016

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	127
5	211
8	337
12	505

	b		,						
		Т	Т	T	Τ			-	
800		-	-					-	-
# gal of milk				-					
res ₩ 400		1	#	1			4	7	
200		+	-				1	1	
ļ		6		12	10	В	24 # of	Cow	s

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

a)
$$(-8, 13)$$

$$(-8, -12)$$

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

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

3. A line passes through these two points: (4,-3)&(-2,9)

a) Find the slope of this line.

b) Write the equation of the line in Point-Slope Form

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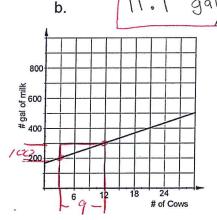


1. Find the rate of change. Give your answer as a decimal rounded to the nearest tenth and include units on your answer.

a.

	2 gal	= \	991
	Gallons	Miles	
/	3	127	211-127

	Gallons	Miles	
/	3	127	> 211-127
	5	211	= 84
	8	337	
	12	505	



$A\Delta y = 100 \text{ gal}$	
$\Delta x = 9 \cos s$	
Rate of change	= 100 gal
	9 6065

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

a) (-8, 13)

 $M = \frac{13 - 12}{-8 - 8} = \frac{25}{0}$ UNDEFINED

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

3. A line passes through these two points: (4,-3)&(-2,9)

a) Find the slope of this line.

b) Write the equation of the line in Point-Slope Form

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

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

or

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