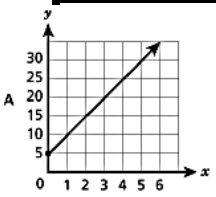
Name: DMR – Q3.4

(NO CALC)	(CALC)	(NO CALC)	CALC
A  C 	x	y
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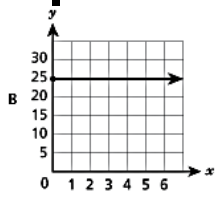
2	8
4	16
8	24
12	32	 B  D 	x	y
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2	3
4	6
8	12
12	18 | Which representation shows a proportional relationship between x and y?	A car uses $1\frac{1}{8}$ gallons a gas to travel $12\frac{1}{4}$ mile. At this rate, how many miles can the car travel per gallon?	A dress costs *p* dollars. An 8% sales tax must be added to the cost of the dress. Martha wants to multiply the cost of the dress by 0.08 to find the tax and then add it to the cost of the dress. Esther thinks that the cost of the dress should be multiplied by 1.08. The expressions for the two methods are shown below. **Martha: $p + 0.08p$** **Esther: $1.08p$** Are the two expressions equivalent? Explain.	You go to dinner one night and the bill comes to x dollars. Which *two* equations would you use to solve the total amount you have to pay with a 9% tax rate, before the tip? A $9x$ B $(0.09)x$ C $(1.09)x$ D $(0.91)x$ E $(0.09)x + x$
Mrs. Sainato bought x number of shirts for the new members of her club. The cost for the x number of shirts, including $2.99 shipping, was $66.50. Each shirt cost $13.50. There was no sales tax on this purchase. Which equation could be used to find x? A. 2.99(x + 13.50)=66.50 B. 2.99x + 13.50 = 66.50 C. 13.50(x + 2.99) = 66.50 D. 13.50x + 2.99 = 66.50	The width of a rectangle is $5\frac{1}{3}$ inches. The length of the rectangle is twice its width. What is the perimeter of the rectangle?	The measure of one side of a square is $(s + 5)$ inches long. Which pair of expressions both represent the perimeter of this square? **A.** $2s + 5$ and $(s + 5)(s + 5)$ **B.** $2(s + 5)$ and $(s + 5)(s + 5)$ **C.** $4s + 5$ and $(s + 5) + (s + 5) + (s + 5) + (s + 5)$ **D.** $4(s + 5)$ and $(s + 5) + (s + 5) + (s + 5) + (s + 5)$	Yvonne's car with an 11-gallon gas tank gets an average of 32 miles per gallon. She travels 14 hours at an average speed of 55 miles per hour. Gas costs $3.40 per gallon. How much does the gasoline cost for this trip?
Which expression has the same value as $49.3 - 75.8$? A. $75.8 - 49.3$ B. $-75.8 + (-49.3)$ C. $49.3 - (-75.8)$ D. $49.3 + (-75.8)$	Which expression is equivalent to $\frac{9}{2}x - 7(3x - \frac{1}{2})$? A. $-\frac{33}{2}x - \frac{7}{2}$ B. $-\frac{33}{2}x + \frac{7}{2}$ C. $-\frac{23}{2}x - \frac{7}{2}$ D. $\frac{23}{2}x + \frac{7}{2}$	On Tuesday a girl made 3 bouquets of flowers every 4 minutes. On Wednesday she made 2 bouquets every 3 minutes. What was the difference between her Tuesday and Wednesday rates, in bouquets per hour? **A** 10 **B** 40 **C** 5 **D** 45	A breakfast food company has decided to shrink the size of its cereal boxes by 8%. If the boxes currently hold 25 oz of cereal, how much less cereal will be contained in the new boxes? A 23 oz B 4 oz C 2 oz D 19 oz

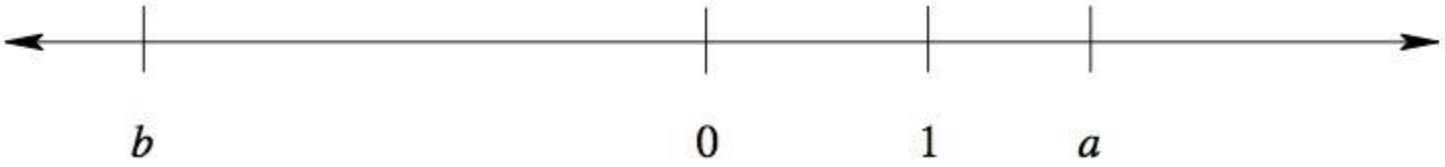
TASK FRIDAY

1. Last year, a shop owner bought fifty handbags and sixty wallets. The total cost of the handbags was $200.50, before tax, and each wallet cost $12.30, before tax.

   This year, the shop owner bought twenty handbags and forty wallets. The total cost of the handbags was $86, before tax, and each wallet cost $11.20, before tax.

   Determine the item with the greatest percent increase in the price from last year to this year. BE sure to include the percent increase of this item, to the nearest percent.

2. A number line is shown below. The numbers 0 and 1 are marked on the line, as are two other numbers a and b.



   Which of the following numbers is negative? Choose all that apply. Explain your reasoning.

   1. $a-1$ 2. $a-2$ 3. $-b$ 4. $a+b$ 5. $a-b$

Daily Math review Expectations

1. Complete all problems each day.
2. Do your original work using a pencil at the beginning of class.
3. Make corrections using a pen, colored pencil, or marker during our whole class discussion.
4. If you are absent, you are still responsible for completing all of the problems.
5. Turn this in each Friday for a grade out of 18 points for accuracy.

Grade:_____/14