Tuesday, September 22, 2015 Algebra 1 Bellwork

- 1. Write a variable expression for each statement.
- a. Eight less than the quotient of a five and a number.
- b. The difference of twelve and a number.
- c. Three more than the product of a number and ten.
- 2. There are 5280 feet in a mile. Write an equation for the number of feet in an unknown number of miles. Define your variables.

EQ:

Variables:

3. There are 36 inches in a yard. Write an equation for the number yards in an unknown number of inches. Define your variables.

EQ:

Variables:

4. Write an equation to model the data in the table.

Gallons of Gas purchased	2	3	6	10	EQ:
Money Spent	5.00	7.50	15.00	25.00	

Variables:

5. Simplify. $5 - |4 - 7| + 2(3 - 6((7 - 1)^2 \div 6 - 4)^3 \div 4)$

Tuesday, September 22, 2015 Algebra 1 Bellwork

- 1. Write a variable expression for each statement.
- a. Eight less than the quotient of a five and a number.
- b. The difference of twelve and a number.

(5/m -8) c. Three more than the product of a number and ten.



2. There are 5280 feet in a mile. Write an equation for the number of feet in an unknown number of miles. Define your variables.



$$m = \pm miles$$

Variables: $f = \pm feef$

3. There are 36 inches in a yard. Write an equation for the number yards in an unknown number of inches. Define your variables.

$$I = \# inches$$

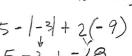
Variables: $y = \# yards$

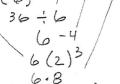
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Gallons of Gas purchased	2	3	6	10	E
Money Spent	5.00	7.50	15.00	25.00	

EQ: M = 2.50 G Variables: $G = \frac{m}{2.50}$ G = # gallon $M = \# spen + \frac{m}{G} = 2.50$

5. Simplify. $5 - |4 - 7| + 2(3 - 6(7 - 1)^{2} \div 6 - 4)^{3} \div 4$ $(3 - |2) = (6)^{2}$ 5 - |-3| + 2(-9) 5 - 3 + -18 2 + -18 = (-16) $(3 - |4 - 7| + 2(3 - 6(7 - 1)^{2} \div 6 - 4)^{3} \div 4$ $(6)^{2}$ $(6)^{3}$ $(6)^{8}$ $(7 - 1)^{2} \div 6 - 4$ $(6)^{2}$ $(6)^{3}$ $(7 - 1)^{2} \div 6 - 4$ $(8)^{3} \div 6$ $(8)^{3}$ $(8)^{3$





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