

NAME: _____

Show All Work for Credit.

HW #8

Due 11/30 16

USE YOUR NOTES IF YOU ARE UNSURE OF A CONCEPT!

Wednesday	Thursday
1. Arby's advertises 3 for \$5 Beef and Cheddar Sandwiches. How much is this per sandwich?	6. In which of the following statement is the Unit Rate equal to 8? a. Lisa lost 8 pounds in 8 weeks. b. Joe drove 400 miles in 8 hours. c. 80 people fill 10 rows at the movies. d. There are 100 shirts in 8 drawers.
2. A grocery store sells a dozen of eggs for \$1.32. How Much would 48 eggs cost? Write a proportion and solve.	7. There are 50 students with "A"s in Math and 60 students with "B"s. Write the ratio of A students to B students 3 different ways. Remember to simplify!
3. You can buy a 15 ounce jar of cheese dip for \$5.54 or an 8 ounce jar for \$2.79. Which is the Best Price?	8. Simplify using the Distributive Property. $\frac{3}{7}(21m - 14)$
4. There are 87 M&Ms in a standard bag and the entire bag has 348 calories. How many calories are in each M&M?	9. Solve the Proportion. $\frac{3}{15} = \frac{x}{90}$
5. In a math class with 24 students, 6 students have As, 10 have Bs, and the rest have Cs. a. What is the ratio of A students to B students? b. What is the ratio of students with Cs to total students?	10. If Brandon's drove 320 miles on 16 gallons of gas, how many miles can expect to drive if he fills his empty tank with 24 gallons of gas? Write a proportion & solve.

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Monday	Tuesday
11. Solve the equation: $-3x - 6 = -12$	16. A large swimming pool has an area of $200m + 600$ ft ² . If the width is 200 feet, what is the length? Recall $A = l * w$ and factoring/drawing a picture may be helpful strategies.
12. Simplify using Order of Operations. $-8 + 3(-2) - 6$	17. a. Write a simplified expression for the perimeter of a square with side lengths $2x + 3$. b. Find the area of the square above if $x = 3$
13. A piece of cable 8.5 cm long weighs 52 grams. What will a 10-cm length of the same cable weigh?	18. Solve: $\frac{k}{3} - 8 = -10$
14. a. What is the absolute value of -44? b. What is the opposite of -44?	19. If 3 pounds of apples costs \$3.27, how much will 10 pounds cost?
15. Do opposite and absolute value mean the same thing? Explain.	20. If 3 pounds of apples costs \$3.27, how many pounds can you purchase with \$5?