Mrs. Wills Algebra 1/RTI Math Week 2 Name:_____

Monday

NO CALCULATOR

1. Simplify the expression.

$$8k - 14 - 3k + 7k + 4 - k$$

2. Simplify the expression.

$$6 + 4(-6r - 3)$$

3. Add.

a. $\frac{3}{5} + \frac{1}{8}$

b. $2\frac{1}{3} + \left(\frac{2}{3}\right)$

c. $\frac{4}{5} + (-4)$

4. Solve.

$$v - 7 = 13$$

5. **Write an equation model the real life application. Then solve.**
You have $437 in a savings account. After a deposit, the balance is $1087.
What was the amount of the deposit?

6. Solve.

$$3 = \frac{x}{5}$$

Tuesday

NO CALCULATOR

1. Solve.

$$23 = 4 - x$$

2. Evaluate the expression.

$$100 - 4m; \quad m = -3$$

3. Order the real numbers from least to greatest.

$$0, -12, -|4|, 4.32, -\left(-\frac{4}{5}\right), -0.9$$

4. Does x=-11 satisfy the equation?

$$-6x = -66$$

5. Solve.

$$3g - 7 = 20$$

6. Convert a decimal to a fraction. Write the fraction in simplest form and show all work!

0.06

Wednesday

NO CALCULATOR

2. Solve. $20 = 4(-2r - 3)$

2. Solve. $7h - 12 = 3h + 24$

3. What is 20% of 60?

4. Write the percent to a fraction in simplest form.
88%

5. Add. 12.2 + 19.335

6. Use order of operations to simplify the expression.

$$\frac{43 - 1}{4 + 2} + 10 \div 5$$

Thursday

NO CALCULATOR

1. Solve. $3(x + 2) = 2(x - 9)$

2. Solve. $\frac{1}{2}(10n + 6) = 7 + 6n$

3. Rewrite the verbal expression to an Algebraic expression.
Twice the sum of a number and 8.

4. Simplify the expression.
$-|-3 \bullet (-4)|$

5. Rewrite the improper fraction as a mixed number.
$-4\frac{2}{5}$

Friday

NO CALCULATOR

Solve.
$8h + 5 - 3h = 8h - 4$

Solve.
$3(7r - 2) = 21r - 6$

	Cheese pizza	Price per topping
Pizza A	$12.60	$1.70
Pizza B	$14.50	$2.00

Write an equation to find the number of toppings when you would pay the same amount for Pizza A and Pizza B. **Do not solve.**