Name: _____

Homework WEEK 8
Solve the following problems **without a calculator**. You <u>MUST</u> show your work.
<u>IPS Strategy</u> must be used on all Word Problems.
NO WORK = NO CREDIT.

<u>**Homework – Monday**</u>

1. Identify the like terms, coefficients, and constants in the following expression. 9x - 3y + 4 - 4y	2. The formula for the perimeter of a rectangle is P = 2l + 2w, where l represents the length and w represents the width. What is the perimeter of a rectangle that has a length of 12 centimeters and a width of 5 centimeters?
3. Simplify the expression. (9a + 6b - c) - (-8a - 4b + c)	4. Write a word phrase for the following: 12 - (4.5 / 2)

<u>**Homework- Tuesday**</u>

1. Write an algebraic expression to the given word problem: n less than twice 15	2. -3r + 8s, when r = -6 and s = 4
3. -7(2 + 5x) + 5(x - 5). Simplify.	4. In this formula, c represents the total charge for babysitting and h represents the number of hours the child is kept. How much should Hector pay if his child is at the babysitting service for 10 hours? c = $3.50 + $5.75h

Homework - Wednesday

1. A telephone company charges $0.12 per minute for local calls and $0.25 per minute for long distance calls. Write an expression that gives the total costs in dollars for m minutes of local calls and n minutes of long distance calls.	2. $-\frac{2}{5}(3x + 25) =$
3. Simplify: $0.8(3x - 7) + 5(.25 - 4)$	4. Bobby scored n points in the first basketball game of the season. The expression below represents the total number of points that Bobby scored in the first three basketball games of the season. $$(n) + (3n) + (8n - 2)$$ Write an expression that is equivalent to the total number of points Bobby scored in the first three games.

Homework - Thursday.

1. Molly is going to pay for an item using gift cards. The clerk tells her that she will need 2 gift cards and an additional $12 to pay for the item. Write an algebraic expression to model the situation using the variable G for the number of gift cards to pay for her total bill.	2. Simplify: $5(\frac{1}{2} - 4n) - 9(2n + \frac{1}{4})$
3. Use distributive property to solve: $(13 - 6n)10$	4. Simplify $6k - 5k + 8$ when $k = -15$