Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Homework WEEK 7**

Solve the following problems **without a calculator**. You *MUST* show your work. **IPS strategy** must be used on all Word Problems.

***NO WORK = NO CREDIT.***

**Homework – Monday*.***

|  |  |
| --- | --- |
| 1. Identify the like terms, coefficients, and constants in the following expression.  8 - 4y + 2y - 5 | 2. Use distributive property to solve:  (2b - 5)(-8) |
| 3. Simplify the expression.  -b - 5b + 9b + 7 | 4. Write your own definition for ‘like terms’. |

**Homework- Tuesday**

|  |  |
| --- | --- |
| 1. Write an algebraic expression to the given word problem:  3 times 9 more than a number | 2. 14 + 5s, when s = -3 |
| 3. 9(2x + 3) - 5(x - 5). Simplify. | 4. Roger caught three times as many fish as Tony. Tony caught 8 more fish than Paula. Paula caught 2 fish. How many fish did Roger catch? |

**Homework - Wednesday**

|  |  |
| --- | --- |
| 1. Linda’s age is 6 years less than twice Jaden’s age. If Jaden is n years old, what is the sum of both of their ages? Write an expression. | 2. -¼ (x + 20) = |
| 3. 96 x - 7, when x = -12 | 4. Simplify:  (3a + 5b - 4c) - (2a + 8b - 5c) |

**Homework - Thursday**

|  |  |
| --- | --- |
| 1. What is the value of the expression below in simplest terms?  ⅖ ( -22 ⅙ ) | 2. Simplify:  5(⅓ + 2n) + 4(n + -⅔) |
| 3. The expression 2.5c + 28 can be used to convert a temperature in degrees Celsius, c, to degrees Fahrenheit, f. If the temperature is -24 degrees Celsius, what is the temperature in degrees Fahrenheit? | 4. Simplify 5k - 10k - 8 when k = 8 |