

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.

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

### Homework- Tuesday

<p>1. Write an algebraic expression to the given word problem:</p> <p>3 times 9 more than a number</p>	<p>2. <math>14 + 5s</math>, when <math>s = -3</math></p>
<p>3. <math>9(2x + 3) - 5(x - 5)</math>. Simplify.</p>	<p>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?</p>

### Homework - Wednesday

<p>1. Linda's age is 6 years less than twice Jaden's age. If Jaden is <math>n</math> years old, what is the sum of both of their ages? Write an expression.</p>	<p>2. <math>-\frac{1}{4}(x + 20) =</math></p>
<p>3. <math>96 \div x - 7</math>, when <math>x = -12</math></p>	<p>4. Simplify: <math>(3a + 5b - 4c) - (2a + 8b - 5c)</math></p>

### Homework - Thursday

<p>1. What is the value of the expression below in simplest terms? <math>\frac{1}{2}(-22\frac{1}{2})</math></p>	<p>2. Simplify: <math>5(\frac{1}{3} + 2n) + 4(n + -\frac{2}{3})</math></p>
<p>3. The expression <math>2.5c + 28</math> can be used to convert a temperature in degrees Celsius, <math>c</math>, to degrees Fahrenheit, <math>f</math>. If the temperature is <math>-24</math> degrees Celsius, what is the temperature in degrees Fahrenheit?</p>	<p>4. Simplify <math>5k - 10k - 8</math> when <math>k = 8</math></p>