**Chapter 1**

Evaluate Using Order of Operations. [L2]

1.) 1.\_\_\_\_-5\_\_\_\_\_\_\_\_\_

2.) 2.\_\_\_\_6\_\_\_\_\_\_\_\_\_\_\_  
  
  
Solve for the indicated variable. [L2]

3.\_\_\_ \_\_\_\_  
  
  
4.) 4.\_\_\_\_ \_\_\_\_\_\_   
  
  
5.) 5.\_\_ \_\_\_\_\_\_\_  
  
  
Solve the Expression for x. [L2]

6.) 6.\_\_\_\_\_x=5\_\_\_\_\_\_\_\_

Solve the Expression for x. [L3]

7.) 7.\_\_\_x=9 or x=-9\_\_\_\_\_

Solve the equation. Check for extraneous solutions. [L3]

8.) 8.\_\_\_x=11 or x=-9\_\_\_\_

Write an Equation and Solve. [L4]

9. 9.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Chapter 2**

Identify the domain and range. Then tell whether the relation is a function.[L2]   
  
1.) {(18, 21), (-1, 10), (3, -6)} 1. Domain: \_\_18, -1, 3\_\_   
 Range \_21, 10, -6\_\_   
   
 Function? \_yes\_\_\_   
Decided whether the given function is linear, then evaluate it for the given value of x. [L2]

2.) 2.\_\_\_f(3)=15\_\_\_\_\_\_

Write in Slope Intercept Form [L2]  
3.) 3.\_\_\_\_\_\_

Find the slope of the line through the given points. Then write the equation for the line. [L3]

4.) (6, 8) and (4,2 ) 4.\_\_\_\_\_\_

Graph the following equations. [L3]

5.) -2y +5x = 12 5.

Choose to answer one of the following. [L4]

6.)

**Chapter 3**

Solve the following systems using any method. [L2]

1.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Solve the System. [L3]

3.) 3.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Solve the following system. [L4]

4.) 4.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Chapter 4**

Write the following in Standard Form. [L2]

1.\_\_\_\_\_  
  
  
 2.\_\_\_\_

Graph. [L2] Graph. [L3]





Factor the expression completely. [L2]

5.) 5.\_\_

Solve the Equations Using Any Method. [L3]

6.) 6.\_\_\_

Solve the following. [L4]  
7.) 7.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Chapter 5**Describe the Polynomial

Degree: \_5\_ **[L2]**Type:\_n/a\_\_**[L2]**  
Leading Coefficient: \_1\_ **[L2]**  
Total Number of Solutions: \_5\_ **[L2]**  
Y-Intercept: \_\_0\_ **[L2]**  
List of Possible Rational Solutions: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **[L2]**  
Right End Behavior: \_up\_\_ **[L2]**  
Left End Behavior: \_\_down\_\_ **[L2]**Find all zeros (Show your work). \_\_x=0, x=1, x=-1,x=2i, x=-2i\_\_ **[L3]**

Write in standard form a cubic polynomial function with leading coefficient of 1 with zeros [L2]

2.) . 2.\_\_\_\_

Find the zeros of the following function. Multiplicities? [L3]   
? 3.\_\_\_

Solve the following. [L4]  
4.) 4.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_