**GSE Algebra Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Review Unit 1C Form A**

**For problems, simplify the following expressions. Write the answers in standard form.**

1. $\left(5x^{2}-9x-2\right)-(9x+5x^{2}-8)$ 2. $(x-7)(x+6)$

3. $\left(-5x+5x^{3}-7\right)+(6x^{2}-4x+2)$ 4. $(3x-5)(4x+3)$

5. $x^{3}(x^{2}-4x+3)$ 6. $\left(7x+23\right)+(-2x-2)$

7. $\left(-3+7x\right)-\left(-5x+9\right)$

8. Identify the following, given the polynomial: $-6x^{4}-x^{3}+7$

How many terms? \_\_\_\_\_\_\_\_\_\_\_\_ What is the constant? \_\_\_\_\_\_\_\_\_\_

What are the coefficients: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ What is the degree? \_\_\_\_\_\_\_\_\_

9. Create a polynomial that has 4 terms, with a degree of 6, and a leading coefficient of 2.



10. Use the given triangle to find the following:

a. Perimeter

 b. Area

11. Consider the polynomial.

Write the polynomial in standard form. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

What is the degree of the polynomial? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

What is the leading coefficient? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Classify the polynomial according to the number of terms. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

12.Give the perimeter of the deck shown below.

x +3

x +3

10

2x + 4

13. Find the area of the figures

1. b)

x+3

x+2

2x+6

4x+2

14.Find the area of the white space.

(*x* + 2)

*x*

(*x* + 3)

2*x*

1. Find the volume of the rectangular prism.

x +3

x +1

x +6

Add or Subtract:

1. 
2. 

# Multiply:

1. 
2. 
3. 
4. 