### Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Unit 1 Test Review**

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

**Complete the following statements with Always, Never or sometimes.**

2. The sum of a rational number and a rational number is \_\_\_\_\_\_\_\_\_\_\_\_\_rational

3. The sum of a rational and an irrational number is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_irrational

4. The product of a non-zero rational number a rational number is \_\_\_\_\_\_\_\_ rational

5. The product of an irrational number and an irrational number is \_\_\_\_\_\_irrational

6. The product of an irrational number and an irrational number is\_\_\_\_\_\_\_irrational.

7. Which of the following numbers can you add to a rational number to obtain an irrational number?

a) 2.526 b)  c) d) 

8.Give the perimeter of the deck shown below.

x +3

x +3

10

2x + 4

1. Find the area of the figures
2. b)

x+3

x+2

2x+6

4x+2

1. 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. 

