**CURRIKI ALGEBRA UNIT 4**

Expressions and Equations

Lesson 4.1: Structure of Expressions and Equivalent Forms

**Polynomials Practice Sheet**

**Example Problems**

*Solve these problems.*

**Degree of the Polynomial**

1) What is the degree of the polynomial −8*x*3*y*2 +9*x*4*y*4 +8*x*2*y* ?

**Adding or Subtracting Polynomials**

2) (*x*2 +*y*3 +1)+(2*y*3 +*y*2)=

 3) (4*m*3 +3*m*2 −6*m*)−(2*m*2 −5*m*+3)=

**Multiplying Polynomials**

4) −2*x*3 (3*x*2 − 4*x* + 8)=

5) *y*3*z*(*y*2 −2*y* −3*z*)=

6) (2*x*+1)(*x*+2)=2*x*2 +4*x*+*x*+2=

7) (*x*−3)(−3*x*−1)=

8) (2*x*+5)2 =(2*x*+5)(2*x*+5)=

 9) (3*x*−4*y*)2 =

10) (2*x* + 3)(2*x* − 3) =