Mathematics 9
Unit 5: Polynomials

Text: Math Makes Sense 9 **Chapter 5**

By the end of this unit, it is expected that students will:

Outcomes	Pages in textbook
1. Demonstrate an understanding of polynomials (of degree ≤ 2). < Identify the variables, degree, constant term, number of terms and coefficients, in a simplified polynomial expression. < Create a concrete or pictorial model of a polynomial. < Write an expression for a model of a polynomial. < Match equivalent polynomial expressions in simplified form.	< Lesson 5.1 Pgs:210 - 216
2. Model, record and explain the operations of addition and subtraction of polynomial expressions, concretely, pictorially and symbolically (of degree ≤ 2). < Identify equivalent polynomial expressions from a set of polynomials, including pictorial and symbolic representations. < Model the addition and subtraction of two given polynomials, concretely or pictorially and record the process symbolically. < Apply a personal strategy for the addition and subtraction of given polynomial expressions and record the process symbolically. < Identify error(s) in a given simplification of a polynomial expression.	< Lesson 5.2 Pgs: 217 – 224 < Lesson 5.3 Pgs: 225 – 230 < Lesson 5.4 Pgs: 231 – 236
3. Model, record and explain multiplication and division of polynomials (of degree ≤ 2) by monomials, concretely, pictorially and symbolically. < Model the multiplication and division of a given polynomial by a monomial, concretely or pictorially and record the process symbolically. < Apply a personal strategy for the multiplication and division of given polynomial expressions and record the process symbolically. < Provide examples of equivalent polynomial expressions. < Identify error(s) in a given simplification of a polynomial expression.	< Lesson 5.5 Pgs: 241 – 248 < Lesson 5.6 Pgs: 249 – 257
Review Exercises: < Mid-Unit Review < Unit Review < Practice Test	< Page 237 < Pgs: 258 - 261 < Page 262