Mathematics 9
Unit 4: Linear Relations

Text: Math Makes Sense 9   **Chapter 4**

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

Outcomes	Pages in textbook
1. Generalize a pattern from a problem-solving context, using a linear equation and verify by substitution. < Write an expression representing a given pictorial, oral or written pattern. < Write a linear equation to represent a given context. < Write a linear equation from a table of values and verify the solution substituting values from the table. < Solve, using a linear equation, a problem that has pictorial, oral and written linear patterns. < Describe a context for a given linear equation.	< Lesson 4.1 Pgs:154 - 162 < Lesson 4.2 Pgs:164 - 173
2. Graph a linear relation, analyze the graph to interpolate or extrapolate to solve problems. < Describe the pattern found in a graph. < Graph a linear relation, including horizontal and vertical lines. < Match equations of linear relations with their graphs. < Interpolate or extrapolate the approximate value of one variable on a graph when given the other variable. < Solve a problem by graphing a linear relation and analyzing the graph.	< Lesson 4.3 Pgs: 174 – 180 < Lesson 4.4 Pgs: 183 – 190 < Lesson 4.5 Pgs: 191 – 198
Review Exercises: < Mid-Unit Review < Unit Review < Practice Test	< Page 181 < Pgs: 200 - 203 < Page 204