Study Guide

Unit 3 Test

Test Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Know if an ordered pair is a solution to an equation (Lessons 3-12, 3-13)
2. Know how to read graphs of linear equations – what a horizontal or vertical line means, negative or positive slope, which lines have a greater slope, initial starting amounts (y-intercept)

(Lessons 3-1, 3-6, 3-9, 3-11)

1. Interpret a proportional relationship graphs and compare multiple graphs without scales given (Lesson 3-1, 3-2)
2. Write equations for lines with positive and negative slope (Lesson 3-7, 3-10)
3. Write equations for horizontal and vertical lines (Lesson 3-11)
4. Compare rate of change (slope) using a graph, equation, and table. (Lesson 3-3, 3-4)
5. Complete a table for a situation, create an equation and graph from the table (Lesson 3-12, Apples and Oranges activity)
6. Write an equation from a situation, and be able to graph the equation (Lesson 3-8, 3-9, 3-10)
7. Know if a situation, graph, equation is a proportional relationship (Lesson 3-5, 3-6, 3-8)
8. Know what the y-intercept of a graph means in context of a situation (Lesson 3-6, 3-7, 3-8)
9. Know that parallel lines have the same slope (Lesson 3-8)
10. When creating graphs of situations, make sure scales you choose for x and y axis are accurate (Lesson 3-2, 3-3)