**Lesson 6.3- Standard Form**

Standard Form: A(x) + B(x) = C

**Example 1:**  **Example 2:**

Slope is 2 and (-2, 2) is on the line Slope is 5, and (-2, 4) is on the line

**Example 3:**  **Example 4:**

(-2, -1) and (0, 4) are on the line. (5, 2) and (3, -6) are on the line

**Example 5:**

A tank is filling up with water at a rate of 3 gallons per minute. The tank already had 3 gallons in it before it started being filled. Let x represent the time in minutes since the filling began and y represent the amount of water in gallons.

Since 3 gallons were in the tank before filling started, the point (0, 3) is on the line. The rate is 3 gallons per minute, so m = 3. Substitute the slope and the coordinates of the point in the point-slope form and rewrite in standard form.

**Homework: Workbook Pages 266-267 (6-18)**