**Algebra 3-4 Quiz 1.4-1.6**

**Solve for the indicated variable.**

2.)

3.)

**Solve the inequality. Graph the solution set.**

4.)

5.)

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Block: \_\_\_\_\_\_\_

**Solve the equation. Check for extraneous solutions.**

6.)

7.)

**Write an Equation and Solve.**

8.) Two bussssses leave Omaha at the same time and travel in opposite directions. One bus travels 20 mi/h faster than the other. The bussessss are 600 miles apart in 6 hours. How fast is each bus traveling? Why might they be different?

Maybe the first one was driving into the city and the second was driving on a highway.