**Solving Rational Functions**

**~ Mathematical Communication Problem Choices ~**

Unit Specific Problem Choices. You only need to choose ONE to base your project on!

Choose one of the following equations. For whichever equation you choose, complete all of the following:

1. What is the GCF you need to use in solving this problem?
2. Solve the equation, showing all steps used.
3. What are the solution(s) to this equation?
4. Do you have any rejected/extraneous solutions? Why were they rejected?

You need to:

* Solve the equation for the variable, explaining all steps you used throughout the problem, including explaining how the GCF helps you to solve!
* Check ALL solutions. Thoroughly explain if/why any solutions would be extraneous.
* Clearly list your solution set in the end.

\*\*Remember, you have 3 options to choose from on how to complete your project. In writing, via a verbal demonstration, or more visually/creatively – all of which is explained in the page you were given that outlines the requirements for the Mathematical Communication Project you will have for every unit. Also remember that you only need to complete ONE of the problems above!!\*\*