Name: _____ Date: _____ Period: _____

Unit 4 Project   Version: _____

Your task is to create a Radicals "How To" Instruction Manual for other Algebra 2 students. You may choose any appropriate format for your project. Your "how to" manual should be precise, clear and easy to follow with the examples on the back of this paper worked out. Use your own words and be creative, however if you would like to copy the steps from our notes, that is acceptable.

Please cover the following 7 concepts using the problems on the back of this worksheet:

Concept 1: Simplifying Roots
Concept 2: Multiply Radicals
Concept 3: Rationalize the Denominator
Concept 4: Add & Subtract Radicals
Concept 5: Rational Exponents
Concept 6: Solving Radical Equations
Concept 7: Graphing Radical Functions

You must do all the problems on the back of this worksheet not your own problems.
Every concept must have detailed steps for how to do the problems and all work shown.
Graphs should be neatly drawn on the provided graph paper or your own graph paper.

Include the following vocabulary words and their definitions:

- Index
- Principal root
- Extraneous solution
- Conjugate

You may choose to include the vocabulary words separately or embedded with the concepts as they come up.

You will be graded on:

- Accuracy
- Neatness
- Completeness
- Creativity

This is a Test Grade and an Alternate Assessment Grade. This sheet must be turned in with your project either attached or separately. Please indicate which medium you are using for your project:

Book ☐   Poster ☐   Powerpoint ☐   Other(please specify): _____☐

Project Due: Tuesday, October 29, 2019