

Overarching Understandings: Algebra 2/Trigonometry

Students will understand that:

- OU1** Technology allows investigation into mathematical concepts, visualization of patterns and algorithms, and access to multiple representations of functions.
- OU2** Extraneous and incorrect solutions can occur. Therefore, checks must be performed to determine the reasonableness and accuracy of the answer.
- OU3** Mathematical operations apply to and follow the same patterns within our number systems; for example, addition and subtraction can only be performed on like objects.
- OU4** There are many methods for solving any mathematical situation, but some methods may be more efficient given the situation.
- OU5** An equal sign shows an equivalent relationship between two expressions, thus expressions can only be simplified while equations can be solved.
- OU6** Mathematical models help us analyze, interpret and make predictions about the world around us.
- OU7** Mathematics is a precise language.
- OU8** There are multiple representations and equivalencies for a(n) expression, function or relation.
- OU9** Inverses are used throughout mathematics to simplify, solve, and find identities.