Integrated Math 3 : Module 2

Logarithmic Functions

In Module 2, students become more familiar with logarithms first introduced in Module 1 and develop a number of logarithmic properties. Students are introduced to the graph of the logarithmic function. A focus is placed on the inverse relationship to the exponential function.

By the end of this module, students should be able to do the following:

- Write the **exponential form** from the **logarithmic form**, and visa-versa.
- Compare the value of **logarithmic expressions** (which is greater, less than, or equal to).
- **Evaluate** basic logarithms without a calculator by considering the exponential form.
- **Graph** logarithmic functions.
- Know and use the **Product Rule** Property of Logarithms to simplify and solve logarithmic expressions and equations.
- Know and use the **Quotient Rule** Property of Logarithms to simplify and solve logarithmic expressions and equations.
- Know and use the **Power Rule** Property of Logarithms to simplify and solve logarithmic expressions and equations.

Module 2 Resources:


https://www.mathsisfun.com/algebra/logarithms.html