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| ***Logarithmic Functions* (Page 268 – 276)** |
| **Objectives:** |
| Recognize that the inverse of an exponential function is a logarithmic function. |
| Graph logarithmic functions. |
| Know and use the properties of common logarithms, which have a base of 10. |
| Know and use the properties of natural logarithms, which have a base of ***e***. |

***TUESDAY, 12.10.24***

**Discuss the previously assigned work:** Page 283, ***Quick Review,*** #1 – 10.

**Class Work/Homework:** Page 283, ***Exercises,*** #1 – 35 odd.

***THURSDAY, 12.12.24***

**Any further questions about the work we did on Tuesday, 12.10.24?** Page 283, *Exercises*, #1 – 35 odd.

**Class Work/Homework:**

* Page 283, *Exercises*, #2 – 36 even.
* Page 284, #52 – 54.

***FRIDAY, 12.13.24***

* **Discuss the previously assigned class work/homework:**

Page 283, *Exercises*, #2 – 36 even.

Page 284, #52 – 54.

* **Class Work:** Page 308 (#27 – 34).
* **Review for your Midterm Exam.** You may use your calculator and 2 sheets of paper, 8.5 by 11 inches, front and back, when you take your exam. The exam covers quadratic, exponential, logistic, and logarithmic functions.

**Here is the GTCHS Midterm Exam Schedule:**