

MATH 125
Review for Test #2
Sections 4.1-4.4, 5.1

Sections 4.1 & 4.2:
Exponential Functions
 Graph
 Applications

Section 4.3:
Logarithmic Functions
 Evaluate
 Logarithmic Form
 Exponential Form
 Properties of Logarithms
 Graph

Section 4.4:
Logarithmic Equations
Exponential Equations

Section 5.1A:
Simple Interest
 Find Simple Interest
 Future Value
 Present Value
Discount Notes
 Find Discount
 Proceeds

Section 5.1B:
Compound Interest
 Compound Amount
 Interest Earned
 Present Value
Effective Rate of Interest

The test will be divided into five sections as indicated below:

1. Log & Exp Functions (6)
2. Exp & Log Equations (4)
3. Application Problems (2)
4. Graphing (2)
5. Simple/Comp Interest (5)

The numbers in parentheses indicate the number of problems of each type.

Review Problems:

Chapter 4 Review Exercises
Pg. 225: # 9-52

Section 5.1 Exercises
Pg. 241: # 29-32

Chapter 5 Review Exercises
Pg. 270: # 1-9, 11-14, 17-22

NOTE: These review problems do not represent an exhaustive list of all of the problems on the test. These are only examples that are similar to many of the test problems. Use your homework assignments and class notes for further review.

REMEMBER: I will give you the financial formulas on the test. However, I will not identify the formula for you. You must be able to recognize which formula to use.