

# Math 12 Pre-Calculus LG 15

## UNIT 5 REVIEW



### INTRODUCTION:

A review of Learning Guides 13 -14.



### LEARNING GUIDE EXPECTATIONS:

On the completion of this learning guide you will be able to:

- LG 13:
- 1) Analyze graphs of exponential functions.
  - 2) Apply transformations to exponential functions.
  - 3) Solve exponential equations by getting the bases the same and by using graphing technology.
- LG 14:
- 4) Analyze the graphs of logarithmic functions.
  - 5) Explain the relationship between a logarithm and exponent.
  - 6) Evaluate a logarithm.
  - 7) Apply transformation to logarithmic functions.
  - 8) Apply the laws of logarithms to expressions.
  - 9) Solve logarithmic and exponential equations.



### EVALUATION:

You are ready to progress to the next learning guide when you can demonstrate your understanding of the above expectations. All students will write the Unit 5 Test which will cover all of the expectations of Learning Guides 13 & 14.



### RESOURCES NEEDED:



Math 12 Pre-Calc Text



Math 12 Pre-Calc Learning Guides.



[sd4onlinemath.yolasite.com](http://sd4onlinemath.yolasite.com)

## LEARNING ACTIVITIES:

In order to review for the unit test, you should do the following:



1. Review your math journal for learning guides 13 & 14.
2. Review your assessment quizzes for LG 13 & 14.



3. Complete Cumulative Review pages 422-423 #1-20.
4. Complete Unit 3 Test pages 424-425 #1-20.

## PRACTICE UNIT TESTS

[Practice Unit Test #1](#)

[Practice Unit Test #2](#)

[Practice Unit Test #3](#)

[Practice Unit Test #4](#)