

Math 12 Pre-Calculus LG 19

UNIT 6 REVIEW



INTRODUCTION:

A review of Learning Guides 16 -18.



LEARNING GUIDE EXPECTATIONS:

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

- LG 16: 1) Graph, analyze and compare rational functions using transformations and technology.
 2) Determine whether graphs have an asymptote or a point of discontinuity for a non-permissible value.
 3) Solve rational equations.
- LG 17: 4) Sketch and analyze the sum and difference of functions.
 5) Sketch and analyze the product and quotient of functions.
 6) Sketch and analyze the composition of functions.
- LG 18: 7) Solve problems using the Fundamental Counting Principle.
 8) Determine the number of permutations of n elements taken r at a time.
 9) Solve counting problems when two or more elements are identical.
 10) Solve an equation involving permutations.
 11) Determine the number of combinations of n elements taken r at a time.
 12) Solve an equation involving combinations.
 13) Expand $(x + y)^n$ using the binomial theorem.



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 6 Test which will cover all of the expectations of Learning Guides 16, 17 & 18.



RESOURCES NEEDED:



Math 12 Pre-Calc Text



Math 12 Pre-Calc Learning Guides.



sd42onlinemath.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 16, 17 & 18.
2. Review your assessment quizzes for LG 16 – 18.



3. Complete Cumulative Review pages 550 - 551 #1-22.
4. Complete Unit 4 Test pages 552 - 553 #1-22.

PRACTICE UNIT TESTS

[Practice Unit Test #1](#)

[Practice Unit Test #2](#)

[Practice Unit Test #3](#)

[Practice Unit Test #4](#)