

Math 12 Pre-Calculus LG 9

UNIT 3 REVIEW



INTRODUCTION:

A review of Learning Guides 7&8.



LEARNING GUIDE EXPECTATIONS:

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

- LG 7:
- 1) Sketch angles in standard position in radians and degrees.
 - 2) Convert between radians and degrees.
 - 3) Determine coterminal angles.
 - 4) Understand the relationship between arc length, radius and central angle of a circle.
 - 5) Understand the concept of the unit circle.
 - 6) Determine the exact and approximate values of trig ratios.
 - 7) Determine the angles given the trig ratio.
 - 8) Solve first and second degree trig equations.
- LG 8:
- 9) Sketch the graphs of $y = \sin \theta$ and $y = \cos \theta$ and describe their properties.
 - 10) Apply transformations to the graphs of $y = \sin \theta$ and $y = \cos \theta$.
 - 11) Determine a trig equation given a graph of the function.
 - 12) Sketch the graph of $y = \tan \theta$ and describe its properties.
 - 13) Model and solve problems involving trig functions.



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 3 Test which will cover all of the expectations of Learning Guides 7&8.



RESOURCES NEEDED:



Math 12 Pre-Calc Text



THSS Math 12 Pre-Calc Learning Guides.



www.thssmath.com

LEARNING ACTIVITIES:

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



1. Review your math journal for learning guides 7&8.
2. Review your assessment quizzes for LG 7&8.



3. Complete Cumulative Review pages 326-327 #1-4, 6-19.
4. Complete Unit 2 Test pages 328 - 329 #1-6, 9-12, 14-17, 20.

PRACTICE UNIT TESTS

[Practice Unit Test #1](#)

[Practice Unit Test #2](#)

[Practice Unit Test #3](#)