

# Foundations of Math 12 LG 19

## UNIT #3 REVIEW



### INTRODUCTION:

A review of Learning Guide 14, 15-16 and 17-18.



### LEARNING GUIDE EXPECTATIONS:

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

- |           |     |   |
|-----------|-----|---|
| LG 14:    | 1)  | graph polynomial functions and describe their properties.                 |
|           | 2)  | describe the characteristics of equations of polynomial functions.        |
|           | 3)  | model data with a line of best fit.                                       |
|           | 4)  | model data with a curve of best fit.                                      |
| LG 15-16: | 5)  | Graph and describe the properties of exponential functions.               |
|           | 6)  | Relate the characteristics of exponential functions to its equation.      |
|           | 7)  | Model data using exponential equations.                                   |
|           | 8)  | Graph and describe the properties of log functions with base 10 and e.    |
|           | 9)  | Model data using log functions.   |
| LG 17-18: | 10) | Understand degree and radian methods of measuring angles.                 |
|           | 11) | Describe the properties of sinusoidal functions.                          |
|           | 12) | Graph sinusoidal functions.   |
|           | 13) | Determine the characteristics of a sinusoidal function from its equation. |
|           | 14) | Model data with a sinusoidal function.                                    |



### EVALUATION:

Write the LG 19 Unit Test.



### RESOURCES NEEDED:



Foundations of Mathematics 12 Text



[sd42onlinemath.yolasite.com](http://sd42onlinemath.yolasite.com)

## LEARNING ACTIVITIES:



To review for the unit test, you should do the following:

- 1) Review your notes.
- 2) Complete the Cumulative Review on pages 586-589.
- 3) Complete the online [practice tests](#) for LG 19.