

# Math 11 Pre-Calculus LG 4

## UNIT 1 REVIEW



### INTRODUCTION:

A review of Learning Guides 1-3.



### LEARNING GUIDE EXPECTATIONS:

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

- LG 1:
- 1) identify and build an arithmetic sequence.
  - 2) find unknown quantities using the arithmetic sequence formula.
  - 3) find the sum of an arithmetic series.
  - 4) manipulate the arithmetic series formula in order to find an unknown quantity.
- LG 2:
- 5) identify and build a geometric sequence.
  - 6) find unknown quantities using the geometric sequence formula.
  - 7) find the sum of a geometric and infinite geometric series.
  - 8) manipulate the geometric and infinite geometric series formulae in order to find an unknown quantity.
- LG 3:
- 9) sketch an angle in standard position and identify the reference angle.
  - 10) determine the exact values of the sine, cosine and tangent ratios of  $30^\circ$ ,  $45^\circ$  and  $60^\circ$ .
  - 11) solve trigonometric problems involving angles between  $0^\circ$  and  $360^\circ$ .
  - 12) find unknown parts of a triangle using the sine law or the cosine law.



### 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 1 Test which will cover all of the expectations of Learning Guides 1-3.



### RESOURCES NEEDED:



Math 11 Pre-Calc Text



Math 11 Pre-Calc Learning Guides.

## LEARNING ACTIVITIES:

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



1. Review your math journal for learning guides 1-3.



2. Complete Chapter 1 Practice Test pages 69-70 #1-12.

3. Complete Chapter 2 Practice Test pages 129-130 #1-17.

## PRACTICE UNIT TESTS

[Practice test #1](#)

[Practice test #2](#)

[Practice test #3](#)

[Practice test #4](#)