

# CALCULUS 12 LG 4

## UNIT 1 TEST



### EVALUATION:

This is the Unit 1 test which will be on the expectations from LG 1 and LG 2/3.

The test is out of 31.

There are 9 written questions.

### TOPICS YOU SHOULD KNOW:

#### LG 1 (Chapter 1)

- Function notation
- Find the equation of a line given some info about it (ex. A point and the slope, two points, a line that is perpendicular and a point)

#### LG 2/3 (Chapter 2)

- Given a graph, determine some limits.
- Find the limit of functions including one sided limits and limits as  $x$  approaches  $\pm\infty$ .
- Determine where places of discontinuity exist given a function or graph.
- Prove that a function is continuous or not including removable discontinuity and continuity from one side.

### To prepare for the unit test, you could do one or all of the following:

- Review your assessment quizzes.
- Re-watch the instructional videos.
- Review your notes and journal entries.
- Re-do some questions from the learning guides on the above topics.
- Complete the supplementary exercises from Chapter 1 on pages 103-106 #2, 7, 10, 12.
- Complete the supplementary exercises from Chapter 2 on pages 165-167 #1, 2, 3, 6, 12, 19, 20, 21-28, 30a.
- Complete the practice quizzes for Chapters 1 and 2 (but only the questions that deal with the above topics as we skipped a few sections from Chapter 1 and 2). You can access the practices quizzes on the website or click [here](#).