

# CALCULUS 12 LG 14

## UNIT 3 TEST



### EVALUATION:

This is the Unit 3 test which will be on the expectations from LG 10-13

The test is out of 29.

There are 6 written questions.

### TOPICS YOU SHOULD KNOW:

Given a function, where is it increasing, decreasing, concave up, concave down, critical points, inflection points.

Given a function, find relative maximum and minimum values.

Given a function and an interval, find absolute maximum and minimum points.

Optimization word problems.

Position, velocity and acceleration problems

Use Newton's Method to approximate zeros.

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

- 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 5 on pages 321-322 #1, 2, 4, 5, 7-24.
- Complete the supplementary exercises from Chapter 6 on pages 374-375 #1, 3-5, 7-10.
- Complete the practice quizzes for Chapters 5 and 6 (but only the questions that deal with the above topics as we skipped sections 5.3). You can access the practices quizzes at [sd42onlinemath.yolasite.com](http://sd42onlinemath.yolasite.com) or click [here](#).