CALCULUS 12 LG 9

UNIT 2 TEST

EVALUATION:

This is the Unit 2 test which will be on the expectations from LG 5-8.

The test is out of 33.
There are 10 written questions.

TOPICS YOU SHOULD KNOW:

- Given a function, find the average and instantaneous rates of change.
- Use the definition of a derivative to find the derivative of a function.
- Chain rule
- Show that a function is continuous or not continuous.   Is the discontinuity removable or not.   Is it continuous from the left or right.
- Local linear approximation.
- Implicit differentiation.
- Find equation of tangent line to curve at a point.
- Inverse trig differentiation.   (Note: Inverse trig formulas will be given).
- Log and exponential differentiation.
- Related rates
- L'Hospital's rule

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 3 on pages 219-220 #2, 4-8, 10-14, 18-20.
- Complete the supplementary exercises from Chapter 4 on pages 286-287 #1, 2, 5, 7, 11, 15, 19.
- Complete the practice quizzes for Chapters 3 and 4.   You can access the practices quizzes at www.thssmath.com or click here.