

MAE 113: ASSIGNMENT 9

Quiz: 19 March 2020 at 8:00 am.

Please complete the following tasks.

- (1) Friday's lecture on §5.6—Exponential Functions as Mathematical Models is on YouTube: <https://youtu.be/UVoPotj-cSo> This is an unlisted video. If you have questions, please send me an email, or we can discuss this in Monday's lecture.
- (2) Exercises from Tan's Calculus 4th edition.
 - §5.5 Differentiation of Logarithmic Functions—Do the self-check exercises 1 and 2 on p. 410. The solutions are on p. 412
 - §5.5 Differentiation of Logarithmic Functions—1, 3, 5, 7, 12, 13, 15, 21, 23, 29, 33, 35, 39, 41, 43, 46, 47, 49, 51, 55, 57.
 - §5.6 Exponential Functions as Mathematical Models—2, 3, 6, 13, 17, 21.
 - §6.1 Antiderivatives and the Rules of Integration—3, 7, 9, 11, 13, 19, 21, 29, 35, 37, 38, 45, 48, 49.

Please continue to work diligently. If you have questions, please see me after class, or by appointment (send me an email). The Math Help Centre is also an under-utilized resource. You can drop in most evenings starting at 7 PM.