

## MAE 113: ASSIGNMENT 1

Quiz: 16 January 2020 at 8:00 am.

Exercises from Tan's Calculus 4<sup>th</sup> edition.

- §1.1 — 5, 7, 9, 43, 45, 49, 55, 58, 99, 101, 103, 105, 107, 109.
- §1.2 — 1, 3, 7, 15, 20, 25, 29, 31, 33, 35, 37, 39, 43, 44, 51, 53, 55, 56, 63, 64, 65, 70, 75, 78, 81, 83, 84, 86, 89, 93, 94, 95, 99, 100.
- §1.4 — 1–6, 11, 15, 19, 21, 26, 27, 33, 35, 47, 51, 73.

You should already know from MAE 103 all the formulas listed on pp. 51–53 (Chapter 1 Summary of Principal Formulas and Terms).

- §2.1 — Self-check exercise 1 (pp. 63 and solution is on p. 68)
- §2.1 — 1, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29, 31, 33, 37, 44, 45–52, 53, 56, 63.
- §2.2 — Self-check Exercises 1 (p. 81 and solution is on p. 83)
- §2.2 — 1, 10, 21, 23, 25, 27, 33, 35, 42, 43, 45, 47, 49.