MAE 113: ASSIGNMENT 2

Quiz: 23 January 2020 at 8:00 am.

Exercises from Tan's Calculus 4th edition.

- (from handout) §A.1 (The Inverse of a Function) — 2, 6, 13, 16, 19.
- §2.3 — Self-check exercise 2.3 Question 2 (p. 92 and solution is on p. 98)
- §2.3 — 15, 17, 19, 23, 26, 35, 41, 43, 49
- §2.4 — Self-check exercise 2.4 Question 1 (pp. 115–116 and solution is on p. 123)
- §2.4 — 1–8, 17, 19, 23-40, 41, 47, 49–62, 63, 65, 81.

You should know the

- terms **cost function**, **revenue function**, and **profit function**, and what they mean mathematically
- who invented Calculus and when (what century)

Questions from this assignment will be drawn upon for Quiz 2. Please ensure you are working 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.