

MAT 137Y1Y: Calculus!
Practice problems from the book

1. Playlist 3 Derivatives

- Section 3.1: Problems 1a-c, 3a-c, 5ab, 17
- Section 3.3: Problems 1a-d, 2a, 4, 5, 10, 16a-e
- Section 3.4: Problems 1, 2, 3a-e, 3k-l, 4
- Section 3.5: Problems 1a-k, 3, 8a-e, 10, 15
- Section 3.6: Problems 5a-l, 9
- Section 3.7: Problems 4abd, 5abd, 7, 9cjlmn
- Section 4.7: Any of the problem from this section are good - make sure you are comfortable with related-rates

2. Playlist 4 Inverse functions

- Section 1.7: Problems 1, 7, 8
- Section 3.6: Problems 5p-w, 7, 12, 13, 14

3. Playlist 5 The Mean Value Theorem and applications

- Section 4.1: Problems 1abcfq, 2acefg
- Section 4.2: Problems 1, 2, 4, 7, 10
- Section 4.3: Problems 1abde, 2acdf

4. Playlist 6: Applications of the derivative

- Section 4.9: Problems 1acd, 4, 9
- Do as many of the following as you need to feel comfortable with computations:
- Section 4.4: Problem 1
- Section 4.5: Problem 1
- Section 4.6: Problem 1
- Section 4.8: All are good
- Section 4.9: Problem 10