MATH-1150 (DUPRÉ) HOMEWORK FALL 2011

INSTRUCTOR

Maurice J. Dupre

Office: Gibson Hall 309A
Office Hours: 9AM -11AM and by appointment
Email: mjdupre@tulane.edu

TEXTBOOK

Larson and Edwards, CALCULUS 1 with Precalculus
(Brooks/Cole Cengage Learning), 2012.

We will cover the Preliminary chapter and the first six chapters in the textbook.

CHAPTER P: PREREQUISITES (PRELIMINARY CHAPTER)

PROBLEMS (REVIEW PROBLEMS page 65): 4, 8, 16, 24, 40, 62, 68, 80, 84, 86, 98, 100, 112, 114, 118, 120, 122, 124, 128, 130, 132.

CHAPTER 1: FUNCTIONS AND THEIR GRAPHS

PROBLEMS (REVIEW PROBLEMS page 137): 4, 6, 8, 10, 14, 16, 18, 20, 28, 32, 34, 40, 42, 46, 54, 56, 58, 62, 64, 70, 72, 74.

CHAPTER 2: POLYNOMIAL AND RATIONAL FUNCTIONS

PROBLEMS (REVIEW PROBLEMS page 207): 2, 4, 6, 8, 26, 28, 48, 66, 68, 74, 78, 80, 84, 90, 120, 124, 132.

CHAPTER 3: LIMITS AND THEIR PROPERTIES

PROBLEMS (REVIEW PROBLEMS page 256): 6, 12, 14, 16, 18, 20, 22, 24, 26, 30, 32, 36, 38, 40, 42, 46, 48, 50, 52, 54, 56, 58, 60, 62, 64, 66.

CHAPTER 4: DIFFERENTIATION

PROBLEMS (REVIEW PROBLEMS page 317): 2, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 38, 40, 42, 44, 46, 50, 52, 54, 56, 58, 60, 62, 64, 88, 90, 94, 96, 98.

CHAPTER 5: APPLICATIONS OF DIFFERENTIATION

PROBLEMS (REVIEW PROBLEMS page 392): 4, 6, 8, 10, 12, 14, 16, 18, 22, 24, 26, 28, 30, 32, 34, 36, 38, 42, 44, 46, 48, 50, 56, 60, 66, 68, 70, 74, 76, 78.

CHAPTER 6: INTEGRATION

PROBLEMS (REVIEW PROBLEMS page 465): 4, 6, 8, 18, 22, 24, 26, 28, 30, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58, 60, 62, 64, 66, 68, 70, 74, 76.