

Math 152 — Homework Assignments

Section	Exercises	Section	Exercises	Section	Formal HW	Date due:
(4-4)	5-71 odd	6-3	3-41 odd	8-1		3-35 odd
5-1	3-23 odd	6-4	3-23 odd	8-2		3-29 odd
5-2	3-57 odd	7-1	3-57 odd	9-1		1-13 odd
5-3	7-69 odd	7-2	3-61 odd	9-3		3-35 odd
5-4	3-63 odd	7-3	3-37 odd	9-4		3-17 odd
5-5	5-69 odd	7-4	1-61 odd			
6-1	1-47 odd	7-7	5-39 odd			
6-2	5-57 odd	7-8	5-59 odd			

Math 152 — List of Topics

Areas and Distances; Sigma Notation
 The Definite Integral;
 The Fundamental Theorem of Calculus;
 Indefinite Integrals and the Net Change Theorem;
 The Substitution Rule;
 Areas between Curves;
 Volumes;
 Cylindrical Shells;
 Work;
 Integration by Parts;

Trigonometric Integrals;
 Trigonometric Substitution;
 Rational Functions and Partial Fractions;
 Approximate Integration;
 Improper Integrals;
 Arc Length;
 Area of a Surface of Revolution;
 Modeling with Differential Equations;
 Separable Equations;
 Models for Population Growth.