

Review and Extra Homework Problems (II)

Ch 8.1, Integration by parts (HW p508, #1, 4, 18, 24).

Ch 8.2, Trigonometric identities, p515, box #2 (HW p516, #5, 34, 42).

Ch 8.3, Trigonometric substitution: p518, Table of rignonometric substitution (HW p522, #2, 8, 12, 20).

Ch 8.4, Partial Fractions, three cases: simple roots, repeated roots and irreducible quadratic factors (HW p532, #2, 8, 18, 29).

Ch 8.7, Approximate integrals: Error bounds, p549-553, box #3-4 (HW p556,#8, 13).

Ch 8.8, Improper integrals: Comparison Theorem, p564;(HW p565, #8, 22, 49).

Ch 9.1, Arc-length formulae, p576-577, box #2-4;(HW p580, #10, 14).

Ch 9.2, Area formulae, p583-584, box #4-8;(HW p586, #2, 10, 18).

Ch 9.3, Moments and Center of Mass: Formulae, p592-595, box #4-9;(HW p596, #20, 27, 29).

Ch 10.3, Separable equations (HW p634, #6, 12, 14).

Ch 10.4, Exponential growth and decay: Half life (HW p644, #4, 8, 10).

Ch 10.6, Linear Differential Equations: Formulae, p656, #4;(HW p660, #6, 8, 16, 18).