

Text Book: Calculus Haward Anton

Chapter	Exercise
5.4	27-30, 35-40, 41-44, 45-48 The definition of Area as a limit: Sigma notation
5.3	15-56 Integration by Substitution
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7.1	1-30 Overview of Integration Methods
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7.4	3,5,7,19,23,27 Trigonometric Substitution
7.5	9-31 Integrating rational functions by partial fractions
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7.3	5,7,13,19,43,44,47 Integrating Trigonometric functions
	Gamma and Beta Function from lecture notes
5.5	13-15,22,23,25,27,37 The Definite Integral
6.4	3-8, 27-32 Length of a Plane Curve
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14.3	27-34 Double Integrals in polar Coordinates
14.5	1-8,9-12 Triple Integrals
14.6	9-12, 13-16, 17-20 Triple Integrals in Cylindrical and Spherical Coordinates
14.7	5-8, 21,22 Change of Variables in Multiple Integrals, Jacobians

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2.2	1-14, 19-26 Separable Variables
2.3	3-17,19,24,25,26,29,30 Linear Equations
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4.3	1-22, 29-34 Homogeneous linear equations with constant coefficients

4.4	1-15, 27-31 <a href="#">Undetermined Coefficients-Superposition Approach</a>
3.1	Example 1-4, 7 and exercise 1-5, 13,29 Linear Models