

Text: **James Stewart**, *Calculus, Early Transcendentals*, 8th Edition, Cengage learning.

5.2: 34, 37, 51, 53

5.3: 3abc, 11, 13, 59, 61, 66, 73 (in Problems 66 and 73, also find the x -coordinates of the inflection points)

5.4: 29, 36, 37, 59, 60

5.5: 2, 7, 10, 15, 16, 31, 47, 57, 67, 68

Review Chapter 5: Exercises: 9, 37, 38, 47, 48, 58

6.1: 1, 3, 11, 20, 24

6.2: 3, 7, 9, 11, 13, 14, 15, 27, 29 (in Problems 27 and 29 only set up the integrals, do not evaluate them), 34, 55, 56, 58

Review Chapter 6: 1, 8, 15ab, 24

7.1: 3, 5, 7, 9, 11, 12, 13, 23, 27, 57, 65a

7.2: 1, 3, 7, 9, 21, 23, 28, 30, 63