

This is the list of suggested exercises for Calculus 1 (Science) that was used with the **7th** edition of the textbook, *Single Variable Calculus: Early Transcendentals* by James Stewart.

This is a *minimal* list of exercises which you should attempt, assuming you are also doing regular homework (*e.g.*, WEBWORK) assigned by your instructor.

1.1: 1, 2, 7, 9, 14, 50, 55, 63, 72, 73

1.2: 1, 3, 6, 8, 9, 15

1.3: 3, 6, 13, 24, 28, 29, 35, 39, 43, 51, 59, 61, 63

1.5: 11, 14, 21, 23, 30, 33

1.6: 18, 21, 37, 41, 50, 53, 56, 61

Ch 1 Review exercises (p73): 2, 10, 17, 18, 23, 24, 25a, 25b, 28

2.1: [instructor's discretion]

2.2: 6, 9, 11, 17, 29, 33, 36

2.3: 2, 9, 15, 19, 23, 29, 37, 40, 43, 45, 51, 57, 62, 63

2.4: [instructor's discretion]

2.5: 4, 7, 11, 21, 33, 35, 41, 46, 50, 65, 67

2.6: 4, 9, 21, 24, 27, 30, 31, 37, 39, 43, 46, 48, 51, 55, 61

2.7: 3, 8, 10, 11, 17, 20, 21, 24, 31, 34, 38, 53, 54

2.8: 3, 25, 28, 30, 39, 45, 51, 57, 59

Ch 2 Review exercises (p167): 1, 2, 8, 12, 15, 17, 20, 22, 23, 29, 33, 36, 43, 47, 52

3.1: 3, 9, 23, 24, 28, 30, 35, 51, 56, 58, 62, 65, 75, 77, 80

3.2: 9, 15, 20, 24, 25, 26, 27, 32, 41, 44, 48, 49, 52, 53, 60

3.3: 5, 8, 13, 15, 20, 22, 32, 34, 37, 43, 45, 48, 50, 52, 56

3.4: 12, 19, 21, 36, 41, 44, 45, 49, 53, 59, 65, 74, 76, 78, 84

3.5: 9, 16, 19, 20, 21, 23, 29, 37, 39, 43, 46, 75, 77, 79, 80

3.6: 8, 13, 17, 22, 25, 29, 34, 40, 42, 45, 49, 50, 52, 56

3.7: 1, 5, 10

3.8: [instructor's discretion]

3.9: 10, 16, 21, 25, 27, 28, 31, 38, 40, 43, 46

Ch 3 Review exercises (p265): 28, 37, 41, 50, 53, 59, 60, 66, 81, 85, 89, 95, 98, 109, 112

4.1: 5, 9, 10, 13, 28, 39, 43, 44, 51, 55, 57, 63, 67, 70, 75

4.2: 5, 10, 16, 17, 20, 22, 23, 35, 36

4.3: 8, 11, 16, 18, 19, 25, 27, 31, 41, 43, 51, 56, 69, 73, 76

4.5: 7, 12, 15, 19, 24, 27, 30, 37, 39, 40, 43, 50, 53

4.7: 13, 16, 20, 31, 32, 34, 37, 48, 56, 64, 67, 69, 70

4.9: 5, 12, 15, 16, 29, 35, 37, 47, 50, 53, 55, 61, 63, 69, 77

Ch 4 Review exercises (p352): 5, 6, 17, 24, 29, 32, 47, 54, 66, 72, 74, 78, 79, 82, 83

5.1: 5, 7, 17, 19, 23, 25

5.2: 4, 7, 17, 25, 30, 33, 37, 49, 53

5.3: 3, 7, 18, 26, 29, 33, 37, 41, 43, 59, 61, 67, 69, 77

5.4: 1, 4, 9, 14, 16, 17, 18, 29, 31, 37, 38, 46, 49, 61, 69

Ch 5 Review exercises (p416): 2, 5, 7, 10, 23, 38, 47, 56, 60, 65, 70

To strengthen your skills with more practice, attempt any of the exercises in the sections above which not omitted explicitly below. While doing so, it is a good idea to focus on types of problems with which you struggle.

Practice exercises: Omissions

1.6: omit 63–76

Ch 1 Review: omit 25c, 25d, 26d

2.5: omit 29, 38, 58

2.6: omit 33, 38

Ch 2 Review: omit 19

3.5: omit 17, 49–64

Ch 3 Review: omit 12, 17, 38, 43, 45, 47, 48

4.1: omit 42, 62

4.2: omit 32, 33

4.3 omit 52, 60

4.5: omit 41, 48, 51, 52, 54, 71

4.9: omit 18, 19, 22, 24, 33, 38, 44

Ch 4 Review: omit 7–14, 31, 33, 34, 61–65, 68, 73, 81

5.3: omit 38, 39, 42, 58

5.4: omit 12, 13, 40, 41, 43, 48

Ch 5 Review: omit 8, 12, 15–22, 24–36, 39, 40, 42, 54, 61, 63, 64, 69