

Math 250 – Introduction to Linear Algebra

Text: Spence, Insel & Friedberg *Elementary Linear Algebra: A Matrix Approach, 2nd Edition*
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Highlighted problems will be graded

Section Suggested Homework Problems (TF = true-false questions)

- 1.1 1, **3**, 5, 9, 17, **19**, 23, **25**, **TF: 37-56**, 71, 75, 79, 81, 82
- 1.2 1, 3, **9**, 15, 17, 19, **29**, 31, 35, **37**, 39, **TF: 45-63**, 67, 68, 75, 76, 77, 78
- 1.3 1, 3, **7**, 9, 11, **23**, 25, 39, **41**, 43, 45, **47**, 49, 51, 53, 55, **TF: 57-76**, 81
- 1.4 1, 3, **5**, 7, 11, **13**, 17, 19, 23, **27**, 35, 37, **43**, **TF: 53-72**, 74-78, 81-84, 87-91
- 1.6 1, 3, 17, **19**, 21, 23, 25, **27**, 29, **31**, 33, 39, **43**, **TF: 45-64**, 70, 72
- 1.7 1, 5, 13, **15**, 23, 25, 29, 33, **39**, 41, 51, 53, **57**, **TF: 63-82**, 87, 89

Assignment 1

- 2.1 5, 7, **9**, 11, 13, 15, 17, 19, 22, **23**, 25, 27, 29, **31**, **TF: 33-50**
- 2.3 1, 3, 9, **11**, 13, 17, 19, 23, 25, **29**, 31, **TF: 33-52**, 54, 59, 61, 67, 69, 71, 83
- 2.4 1, 3, 7, 9, **19**, 27, **29**, **TF: 35-54**, 64
- 2.6 1, 3, 5, 9, **11**, 13, **TF: 33-41**, 42, 43, 44, 45, 46

Assignment 2

- 3.1 1, 3, 9, 11, **13**, 14, 15, **21**, 23, 27, **29**, 31, 37, **43**, **TF: 45-63**
- 3.2 5, 6, 7, 8, **11**, 13, 17, 21, 27, **33**, **TF: 39-58**, 59, 63, 67, 69-75
- 4.1 1, 3, 5, 9, **11**, 13, 19, 21, 27, **29**, **33**, **TF: 43-51**, **57-62**,
67, 69, 72, **73**, 74, 78, 81, 83, 85, 89, 93
- 4.2 1, 3, **5**, 7, 17, 19, **21**, 25, **27**, **TF: 33-50**, 53, 54, 59, 63, 65
- 4.3 1, 3, 5, **7**, 9, 11, 15, **17**, 19, 25, **27**, **TF: 41-57**, **59-60**, 63, 65, 69, 73-78, 83

Assignment 3

- 5.1 1, 3, 7, **9**, 13, 17, **23**, **TF: 41-44**, **46**, 50, 51, **55-60**,
63, 64, 66, 67, 68, **69**, 72
- 5.2 1, 5, 9, 11, 13, **15**, 17, 19, 21, **41**, **TF: 53-72**, 77, 79, 81, 85, 86
- 5.3 1, 3, 5, 7, **11**, 15, 17, **19**, **TF: 29-48**,
 49, 51, 55 57, 61, **63**, 65, 73, 77, 78, 81, 82, **83**, 85

Assignment 4

- 6.1 3, 5, 7, 9, **11**, 13, 15, **17**, 25, 29, 33, 37, **43**, 49, 51, **53**, **TF: 61-80**, 95, 97, 98
- 6.2 1, **3**, **7**, 9, 13, 17, 21, **25**, 29, 33, **37**, **TF: 41-52**
- 6.3 1, **5**, 9, 11, 17, **19**, 21, **TF: 33-56**, 59, 61
- 6.4 1, 3, **5**, 16, **17**, **TF: 28-31**
- 6.5 3, 5, **7**, **TF: 17**, **21-29**
- 6.6 3, **5**, 13, **15**, 17, **19**, **TF: 21-40**