MATH 2890 Linear Algebra Spring 2009, Professor El-Bialy

Text: DeFranza

Exercises

The following is a tentative list of exercises. Additional exercises may be assigned in class. A few may be omitted.

- **1.1** 1, 3, 9, 11, 13, 15, 19, 21, 23, 25, 27, 29, 31, 33, 37, 39, 40-44.
- **§1.2** 3, 7, 9, 11, 13, 17, 21-28, 31, 35, 39, 41, 45, 47, 49, 51.
- **§1.3** 5-11, 15, 19, 23, *(25, 27, 28, 29, 31, 33, 34), **(43, 44).
- **§1.4** 1, 3, 7, 8, 10, 11, 13-15, 20-24.
- **§1.5** 3, 5, 9, 11, 13, 15, 17, 19, 21, 25-28.
- **§1.6** 1-4, 5-8, 9-10, 11, 15, 17, 21, 23, 25, 26, 27-30, 31, 33, 35-37, 38-43, 45, 51, 52.
- **§2.1** 3, 7, 9, 11, 13, 15, 21, 23, 25, 29, 31.
- **§2.2** 1, 3, 5, 7, 9, 11, 15, 16, 17, 19, 21, 22, 23, 24, 25-28, 29, 30.
- §3.1 1, 3, 5, 7, 8-19, 20, 24, 26, 27, 28, 29.
- §3.2 2, 3, 5, 6, 7, 9, 11, 14-18, 20, 21, 23, 25-26, 27-28, 29-30, 31-32, 35-36, 38-39, 41-42, 44-46.
- §3.3 1-6, 8, 10-12, 15-18, 19-24, 29-30, 32, 34, 36, 40, 42, 43, 44.

Group Work

GW1:

- 1. §1.2: 49, 51.
- 2. \$1.3: 28, 33.
- 3. §1.4: 22, 24.
- 4. §1.5: 19, 21, 25, 27, 28, 31.

GW2:

- 1. §1.6: 14, 17, 21, 23, 25, 27-30, 31, 41, 51.
- $2. \ \S 1.7; \ 1\text{-}4, \ 7, \ 9, \ 15, \ 16, \ 19, \ 21, \ 23, \ 27.$

GW3:

- 1. §2.1: 12, 16, 21, 31.
- 2. §2.2: 5, 9, 11, 13, 18, 20, 22, 24, 25, 27, 29, 30.

GW4:

1. §2.3: 7, 9, 12, 13, 15-18, 19-20, 21, 22, 23, 24, 25, 27, 29.

GW5:

1. §3.1: 8, 12, 13, 14, 15, 16, 20, 23, 24, 26.

GW6:

1. §3.2 14, 16, 26-30, 32, 36, 38-39, 41-42, 44,

GW6:

1. §3.3 1-6, 15-18, 20, 22, 24, 29-30, 32, 34, 36, 40, 42, 43, 44.

GW7:

1. §3.4 2, 4, 6, 8, 10, 11, 12, 14, 16, 18, 20, 22.