

Math 54, Spring 2012
Fraydoun Rezakhanlou

Homework from *Linear Algebra and Its Applications*, by Lay, third edition

Homework set 1. **Due Monday, January 23**

Section **1.1**: #6, 10, 13, 16, 20, 28

Section **1.2**: #2, 11, 16, 23, 25

Section **1.3**: #6, 10, 11, 14, 18, 26

Homework set 2. **Due Monday, January 30**

Section **1.4**: #6, 10, 14, 16, 17

Section **1.5**: #5, 6, 12, 29, 30

Section **1.7**: #6, 10, 18, 22, 24, 37

Section **1.8**: #10, 11, 20, 33

Homework set 3. **Due Monday, February 6**

Section **1.9**: #6, 11, 16

Section **2.1**: #2, 4, 7, 11, 16, 24, 34

Section **2.2**: #6, 10, 15, 22

Section **2.3**: #8, 12, 14, 20

Section **3.1**: #10, 12, 22

Homework set 4. **Due Monday, February 13**

Section **3.2**: # 8, 12, 20, 21, 26, 28, 32-35

Section **3.3**: #6, 15, 20, 30

Section **4.1**: #2, 5-8, 12, 15-18, 33

Section **4.2**: #6, 10, 12, 16, 24, 26

Homework set 5. **Due Wednesday, February 22**

Section **4.3**: #8, 10, 14, 16, 22, 32

Section **4.4**: #4, 8, 14, 16, 28

The **first midterm** is Wednesday February 22, in class and will cover Sections 1.1–1.5, 1.7–1.9, 2.1–2.3, 3.1–3.3 and 4.1–4.2.

Homework set 6. **Due Monday, February 27**

Section **4.5**: #6, 8, 12, 18, 22, 27

Section **4.6**: #2, 6, 16, 18, 33

Section **4.7**: # 4, 10, 14

Section **5.1**: #6, 14, 18-20, 22, 27

Homework set 7. **Due Monday, March 5**

Section **5.2**: #6, 12, 17, 18, 22

Section **5.3**: #3, 6, 18, 22

Section **5.4**: #4, 6, 21, 22

Section **5.5**: #4, 6, 14, 16

Homework set 8. **Due Monday, March 12**

Section **6.1**: #6, 20, 24, 29

Section **6.2**: #10, 14, 21, 24

Section **6.3**: #2, 10, 12, 22

Section **6.4**: #10, 18

Homework set 9. **Due Monday, March 19**

Section **6.7**: #1, 8, 11, 16, 17

Section **7.1**: #12, 24, 26, 30

The **second midterm** is Wednesday, March 21, in class and will cover Sections 4.3–4.7, 5.1–5.5, 6.1–6.4, 6.7, and 7.1.