

# Math in Economics Assignments

Instructor: Xi Chen

## 1 Assignment 1

- Exercise 1.1 (page 11-12)
  - 2. (1) (5)
  - 4. (2)
  - 5. (3) (5)
  - 6. (4)
  - 11.
- Exercise 1.2 (page 14)
  - 3, 5
- Exercise 1.3 (page 20)
  - 2. (2) (4) (5)
  - 3. (3)
  - 5
- Exercise 1.4 (page 25-26)
  - 1. (10) (13) (14) (15)
  - 2. (3) (4) (9) (10) (14)
- Exercise 1.5 (page 28)
  - 5, 6
- Review Exercise 1 (page 40)
  - 3. (4) (5)
  - 4, 5

## 2 Assignment 2

- Exercise 2.1 (page 44)
  - 1. (2)
  - 4, 5
- Exercise 2.2 (page 50)
  - 7. (13) (19) (20)
  - 8. (3) (7)
  - 9. (3) (4)
  - 10. (1) (3)
  - 12. (2)
- Exercise 2.3 (page 53)
  - 2. (2)
  - 3. (3)
- Exercise 2.4 (page 58)
  - 2. (5) (6)
  - 3. (1)
- Exercise 2.5 (page 63)
  - 3. (7) (8)
  - 4. (2)
- Exercise 2.6 (page 68)
  - 2. (2)
  - 4. (5) (6)

## 3 Assignment 3

- Exercise 3.1 (page 86)
  - 6
- Exercise 3.2 (page 93)
  - 1. (4) (10) (11) (12)

– 2. (1) (2) (8) (9) (10)

• Exercise 3.4 (page 100)

– 1. (3)

– 2.

– 3. (6) (8)

– 4.