

- 1 (10 points) Do Exercise 1.6.2 on Page 27 of Shankar's book.
- 2 (10 points) Do Exercise 1.6.3 on Page 28 of Shankar's book.
- 3 (10 points) Do Exercise 1.6.4 on Page 29 of Shankar's book.
- 4 (10 points) Do Exercise 1.8.1 on Page 41 of Shankar's book.
- 5 (15 points) Do Exercise 1.8.3 on Page 41 of Shankar's book.
- 6 (15 points) Do Exercise 1.8.5 on Page 42 of Shankar's book.
- 7 (15 points) Do Exercise 1.8.6 on Page 42 of Shankar's book.
- 7 (15 points) Do Exercise 1.8.8 on Page 43 of Shankar's book.