1. Chapter 4: Sections 4.1-4.3, 4.4.3, 4.5 (Problems 1, 4(just set up Newton’s method), 6, 12.

2. Chapter 5: 5.1 - 5.6

3. Chapter 6: 6.1 - 6.2
   Problem: Show that the truncation error in approximating the derivative as
   \[ f'(x) \approx \frac{f(x + h) - f(x)}{h} \]
   is \( \frac{-h}{2} f''(\xi) \) for \( \xi \in [x, x + h] \)

4. Chapter 7: 7.1, 7.2.1-7.2.3, 7.3, 7.4, 7.6.1

5. Chapter 8: 8.1-8.6