

# Math 323 Homework

Kenneth A. Ross: Elementary Analysis: The Theory of Calculus 1<sup>st</sup>/2<sup>nd</sup> ed.

**Suggested review of Math 308 material:**

## Chapter 1:

Section 1 # 1.4, 11  
Section 2 # 2.1 ( $\sqrt{3}$  only, either method), 8  
Section 3 # 3.3, 5, 7(c), 8  
Section 4 # 4.1, 2, 3, 8, 9, 11, 15, 16  
Section 5 # 5.1, 3, 4

**Required assignments for Math 323: \* indicates optional extra credit assignment**

## Chapter 2:

Section 7 # 7.4  
Section 8 # 8.1(b), 2(a,e), 3, 6, 9  
Section 9 # 9.4, 7, 8, 17  
Section 10 # 10.1, 3, 4, 6, 9  
Section 11 # 11.2, 7, 8, 9  
Section 12 # 12.3, 5, 6  
Section 13 # 13.3, 5, 9, 10, 11, 12, 15  
Section 14 # 14.1, 5, 9, 13  
Section 15 # 15.1, 3, 7(a)  
Section 16 # 16.1, 2, 4(d,f), 5(a,b), 7, 8, 10

## Chapter 3:

Section 17 # 17.1, 2, 4, 8, 9(a,b), 13, 14  
Section 18 # 18.2, 4, 5, 6  
Section 19 # 19.1, 2(a), 3, 4, 5, 8, 9  
Section 20 # 20.1, 3, 4, 7, 8, 12, 14, 16, 17, 19  
Section 21\* # 21.5, 6, 8, 9, 10, 11, 13  
Section 22\* # 22.1, 2, 4, 5, 6

## Chapter 4:

Section 24 # 24.2, 3, 6, 11, 12  
Section 25 # 25.2, 5, 9, 14  
Section 26 # 26.7  
Section 27 # 27.3

## Chapter 5:

Section 28 # 28.3, 4, 5, 6, 13  
Section 29 # 29.1, 4, 5, 8, 9, 10, 13  
Section 30 # 30.7  
Section 31 # 31.1

## Chapter 6:

Section 32 # 32.1, 2, 6  
Section 33 # 33.3(a), 4, 5, 9, 12  
Section 34 # 34.2, 5, 9, 10  
Section 36 # 36.2  
Section 37 # 37.1