

### **SUGGESTED TEXTBOOK HOMEWORK**

The following are some typical problems sorted by section. Note that you should do a lot more than what is suggested here in order to get a better understanding of the material.

#### **Chapter 1 – Graphs & Functions**

- Section 1: pp. 13-15: 2, 3, 11, 13, 16, 17, 21, 27, 35, 39, 43, 51, 61, 63, 67, 71, 73, and 84  
Section 2: pp. 26-28: 1, 9, 17, 19, 21, 29, 35, 37, 39, 45, 47, 53, 71, 73, and 91  
Section 3: pp. 43-45: 3, 11, 13, 17, 20, 25, 33, 39, 43, 45, 53, 57, 61, 63, 69, and 83  
Section 4: pp. 58-60: 1, 5, 11, 17, 23, 29, 35, 43, 47, 51, 55, and 65  
Section 5: pp. 74-76: 1, 7, 11, 16, 17, 21, 25, 29, 33, 39, 57, 63, 65, 67, 71, 73, 77, and 85  
Section 6: pp. 84-85: 1, 8, 9, 13, 15, 19, 21, 23, 31, 35, 37, 41, 45, 49, 53, 59, and 65  
Section 7: pp. 96-98: 3, 7, 9, 15, 17, 27, 29, 33, 37, 41, 49, 51, 55, 61, 65, and 67  
Practice Tests A & B: pp. 104-106

#### **Chapter 2 – Polynomial & Rational Functions**

- Section 1: pp. 114-116: 4, 13, 15, 17, 25, 33, 35, 39, 41, 43, 49, 55, 59, 61, 65, and 69  
Section 2: pp. 130-132: 1, 9, 11, 17, 18, 25, 27, 29, 33, 35, 39, 41, 53, 65, and 73  
Section 3: pp. 142-143: 1, 9, 13, 17, 21, 25, 31, 33, 39, 43, 47, and 64  
Section 5: pp. 166-169: 5, 6, 7, 13, 19, 23, 25, 31, 35, 37, 41, 43, 49, 53, 57, 65, 73, and 81  
Section 6: pp. 177-179: 5, 9, 11, 13, 15, 17, 19, 33, 35, 37, and 39  
Practice Tests A & B: pp. 185-187

#### **Chapter 3 – Exponential & Logarithmic Functions**

- Section 1: pp. 197-198: 3, 7, 17, 21, 25, 31, 33, 37, 43, 45, 49, 57, 65, 73, 75, and 87  
Section 2: pp. 208-209: 3, 7, 9, 13, 15, 17, 19, 23, 25, 27, 33, 35, and 39  
Section 3: pp. 222-224: 3, 7, 11, 15, 19, 23, 27, 31, 35, 43, 45, 47, 53, 57, 61, 63, 71, 75, 81, 85, 89, 91, 95, and 97  
Section 4: pp. 232-233: 1, 3, 7, 11, 15, 19, 25, 27, 31, 35, 37, 43, 51, 57, 61, 63, and 73  
Section 5: pp. 243-244: 1, 2, 9, 15, 17, 19, 23, 25, 31, 39, 41, 53, 59, 63, 65, 69, and 73  
Practice Tests A & B: pp. 250-251

#### **Chapter 7 – Systems of Equations & Inequalities**

- Section 1: pp. 489-491: 3, 7, 11, 13, 17, 25, 29, 37, 41, 47, 55, 57, 59, 81, 89, and 93  
Section 3: pp. 513-514: 1, 7, 11, 15, 23, 29, 33, and 39