

# MATH 170 - Calculus I - Summer 2017

## Homework Problem List

### Section 1.1

1, 3, 4, 6, 7, 9, 21, 22

### Section 1.2

1-10, 14, 17-20, 28-31, 37, 40a

### Section 1.3

3, 4, 9-20, 24-28, 32-39

### Section 1.5

1-5, 7, 11-29

### Section 1.6

1-14, 24-30, 32

### Section 2.1

3, 7-17, 25-27

### Section 2.2

You must be able to use the limit definition of the derivative to solve the problems from this section.

1, 4, 7-10, 12, 13, 15, 17, 20, 21, 41, 42, 47, 48

### Section 2.3

1-20, 27, 28, 41, 43

Also: Problem 1 from the Quick Check at the bottom of page 160

### Section 2.4

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### Section 2.5

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### Section 2.6

3, 4, 7-22, 28-33, 40, 43-46, 54, 74

### Section 3.1

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### Section 3.2

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### Section 3.3

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### Section 3.4

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### **Section 3.6**

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### **Section 4.1**

3, 5, 7, 9, 10, 16-19, 21-24, 28, 29, 30, 33, 36, 37

### **Section 4.2**

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### **Section 4.3**

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### **Section 4.4**

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### **Section 4.5**

4, 5, 10, 18, 21, 22, 40-44, 46, 55, 62

### **Section 4.6**

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### **Economics Applications**

See worksheet.

### **Section 5.5**

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### **Section 5.2**

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### **Section 5.3**

1, 2, 3, 9, 15-18, 21-28, 31-33, 37, 40, 41, 49-54

### **Section 5.6**

5-10, 13-17, 21-23, 25, 49, 51, 52

### **Section 5.9**

5, 9, 11-15, 31, 33, 34, 38, 39, 44-48

### **Section 5.7**

5-8, 13-18, 33

### **Economics Applications**

See worksheet.