

# Calculus II

## Review 1 - Examples

20180706

Textbook (Alternate) : **Calculus Early Transcendentals** 6ed Stewart

### Lecture 1

- Chapter **14** **Partial Derivatives**  
Section 14.1, Example 4, 5, 6.
- Chapter **12** **Vectors and The Geometry of Space**
  1. Section 12.1, Example 1, 2, 3, 4, 6.
  2. Section 12.2, Example 1, 3, 4, 5, 6.
  3. Section 12.3, Example 1, 2, 3, 4, 6.
  4. Section 12.4, Example 1, 2, 3.
  5. Section 12.5, Example 1, 3, 4, 6, 7, 8.
- Chapter **10** **Parametric Equations and Polar Coordinates**  
Section 10.1, Example 1, 2, 7.

### Lecture 2

- Chapter **13** **Vector Functions**
  1. Section 13.1, Example 1, 6.
  2. Section 13.2, Example 1, 3, 5.
  3. Section 13.4, Example 1, 2, 3, 4.
  4. Section 13.3, Example 1.

### Lecture 3

- Chapter **14** **Partial Derivatives**
  1. Section 14.1, Example 9, 11, 15.
  2. Section 14.2, Example 1, 2, 5, 6, 7, 8.
  3. Section 14.3, Example 1, 2, 3, 4, 6.

### Lecture 4

- Chapter **14** **Partial Derivatives**

1. Section 14.4, Example 1, 2, 4.
2. Section 14.5, Example 1, 3, 4, 5.

#### **Lecture 5**

— Chapter **14 Partial Derivatives**

1. Section 14.5, Example 8, 9.
2. Section 14.6, Example 2, 3, 4, 5, 6, 8.

#### **Lecture 6**

— Chapter **14 Partial Derivatives**

1. Section 14.7, Example 1, 2, 3, 5, 6, 7.
2. Section 14.8, Example 1, 5.