Topic #12 (Math 31)

1. Goals (3.7, 3.9 and remember 3.8)
    a. More involved differentiating
    b. Logarithmic Differentiation
2. Logarithmic Differentiation.
    a. Take log of both sides
    b. Implicit differentiation
    c. Examples: From Section 3.9 (p. 331) exercises among 346 – 351.
3. Other differentiation formulas
    a. See "Key Formulas" at end of Chapter pages 335 – 337
4. Examples:
    a. Section 3.7 among exercises 279 – 288.
    b. Section 3.8 among exercises 300 – 309
    c. Section 3.9: exercises among 331 – 345.
    d. Good Examples:
        i. Section 3.8 – Exercise 317 , 318.
        ii. Section 3.9 - Exercise 357.