1050 Week at a Glance:
Week 5

Objectives:

≥ Recognize, evaluate and graph exponential functions with whole number bases.
≥ Use exponential functions to determine simple and compound interest.
≥ Recognize, evaluate and graph exponential functions with base e.
≥ Recognize, evaluate and graph logarithmic functions with whole number bases.
≥ Recognize, evaluate and graph natural logarithmic functions.
≥ Use logarithmic functions to model and solve real-life problems.

Study Tip of the Week:

This section assumes you are familiar with radicals and exponents (going back and forth, exponent rules, negative exponents, etc.). If you need a review, consult the appendix A.2 Exponents and Radicals in the back of the textbook.
Don't know if you need a review? There is a practice assignment in WebAssign with problems from the appendix. (Unlike HW, you will be able to see the answers after two tries). You can use this practice to determine if you need to review this material. If you can go through it correctly and easily, then proceed to this week's material. If not, spend some time reviewing exponents, then start 3.1.

Due by Sun 11 pm
- [ ] **Canvas Quiz Week 5**

Due by Mon of next week, 11 pm
- [ ] **WebAssign HW 3.1**

- [ ] **WebAssign HW 3.2**

To Do:

For Lessons 3.1 – 3.2

- [ ] Book reading

- [ ] Print blank slides

- [ ] Watch lecture videos

  - [ ] Practice Problems

- [ ] WebAssign Homework

Supplementary Materials:

- [ ] Read "Handout: Rule of 72"

- [ ] Read "Transformations that move a graph around—exponents and logarithms"

- [ ] Read "Reading exponential and logarithmic graphs" document