

## Homework Bank for Dept. Final Exam

**Text:** *Algebra and Trigonometry* by Michael Sullivan, 9<sup>th</sup> edition, Pearson Prentice Hall.

### Chapter 7. Trigonometric Functions. ( $\approx$ 4.5 weeks)

Section 1. (#1-96) Omit

objective 5: finding linear speed of object in circular motion.

2. (#1-64)
3. (#1-28, and #47-56)
4. (#1-102)
5. (#1-88)
6. (#1-86)
7. (#1-36)
8. (#1-18) Omit objective 2: building sinusoidal models from data.

### Chapter 8. Analytic Trigonometry. ( $\approx$ 4.5 weeks) Students must memorize all identities except in 8.7

Section 1. (#1-24, and #37-68)

2. (#1-66)
3. (#1-44, 57-79) Omit objective 5: solving equations using a graphing utility.
4. (#1-86)
5. (#1-96)
6. (#1-40, 79-93)
7. (#1-24) Students should know how to derive these formulas

### Chapter 9. Applications of Trigonometric Functions. ( $\approx$ 1.5 week) Calculators may be used if tested separately.

Section 1. (#9-26)

2. (#9-47)
3. (#9-45)

### Chapter 10. Polar Coordinates; Complex Numbers; Vectors. ( $\approx$ 3.5 weeks) Section 1. (#1-82)

2. (#1-76)
3. (#1-60)
4. (#1-70, 73-76)