

## REVIEW TEST #3

### Chapter 7 and Sections 8.5 and 8.6

You should know the following:

- the law of sines
- the law of cosines
- applications
- algebraic vectors in terms of unit vectors and in component form
- magnitude of a vector
- the dot product
- applications
- plotting points in polar coordinates
- converting polar coordinates to rectangular coordinates and vice-versa
- graphing an equation in polar coordinates

Study the following:

- Quiz #5
- All exercises and applications done in class
- Textbook
  - o Section 7.1: 1 – 17 odd, 25, 29 (in class), 30, 31 (in class) + all examples
  - o Section 7.2: 1 – 19 odd, 27 (in class) + all examples
  - o Section 7.3: 1 – 15 odd, 19, 21 + all examples
  - o Section 7.5: 1 – 47 odd, 49 (in class), 53 (in class) + all examples
  - o Section 7.6: 1 – 35 odd + all examples
  - o Section 8.5: 19 – 25 odd (use radians, not degrees), 31 – 43 odd (use radians, not degrees), 49 – 63 odd + all examples
  - o Section 8.6: Examples 1 – 3