

Test 4 will take place on Wednesday, April 12 and will cover chapters 8 and 9 (excluding section 9.7). I probably won't have time to type up 30 or 40 questions for practice this time around, so I have gone to the chapter reviews to select problems for you to work with.

If you don't have a physical copy of the book you can use the online copy. Answers to these problems are in the back (at least I know the odd-numbered answers are in the back – not sure if the even-numbered ones are in the student edition). I wanted to get this to you early enough so that you would have time to work at this before our in-class review day so that you will know what sorts of problems you'll want to ask for help with.

### **TOPICS**

**Chapter 8:** right-triangle trigonometry, co-functions, Law of Sines, Law of Cosines, triangular area, harmonic motion, combined waves, applications

**Chapter 9:** polar coordinates (plotting, converting, graphing, etc.), complex numbers, complex plane, De Moivre's Theorem, vectors (representations, dot product, and in space), applications

### **SUGGESTED PROBLEMS FOR REVIEW**

**Chapter 8 Review** (pages 557-559)

Problems 3-25 odd, 26, 27, 28, 33, 34, 36, 39, 41

**Chapter 9 Review** (pages 634-636)

Problems 1-41 odd, 47-55 odd, and 59-62 all