Homework for Week 6
Feb. 4-Feb. 7, 2008

The textbook exercises listed here should be completed before class begins; students will share solutions to these exercises at the beginning of class. You should be prepared to share a solution to any one of these.

Before Class on Tuesday, February 5, read Section 7.6 and work the following exercises:
Section 7.6, # 3, 5, 9, 13, 19, 29

Before Class on Wednesday, February 6, work the following exercises:
Section 7.6, # 23, 35, 39, 43

Before Class on Thursday, February 7, read Section 7.7 (upto page ) and work the following exercises:
Section 7.7, # 3, 9, 13, 23, 31

Before Class on Monday, February 11, work the following exercises:
Section 7.7, # 37, 41, 51, 71

Additional Practice Problems

Practice as many of these problems as you can. You may use your solutions as notes during the quiz on Tuesday, February 12.
Section 7.6, # 1, 7, 11, 21, 27, 31, 37
Section 7.7, # 1, 5, 7, 11, 21, 25, 33, 43, 53, 55, 69, 73, 75

Written Homework

Your typed solutions to the following questions will be due at the beginning of class on Monday, February 11. Remember to save your document electronically so that you can make corrections to these solutions since they will become part of your portfolio.

Problem #9: Write each of the following quantities in the form $a + bi$.
(a) $(2 + 3i)(4 - 2i) - (8 + i)$
(b) $\frac{2}{1+i}$

Problem #10: A parabola passes through the points $(4,0)$, $(-2,0)$ and $(0,16)$. Find the coordinates of the vertex of this parabola.