

Read: Sections 4.1, 4.2

Exercises: In addition to anything listed on the last handout:

- Due Monday, 9 February 2004
 - Section 4.1 (pp. 232–234): 10, 18, 21, 22, 28, 40, 44, 52, 54, 56, 58
 - Due Wednesday, 11 February 2004
 - Section 4.2 (pp. 241–243): 6, 9, 10, 13, 16, 17, 20, 26, 28, 29, 34, 44, 46, 48, 56
 - Section 4.4 (pp. 261–266): 2, 3, 4, 8, 9, 19, 20, 22, 24, 26, 41, 44, 58
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1. Even though your homework is not being graded based on correctness, it is still imperative that you try your best to complete all the problems. Also, to make it easier for the grader, please do the following:
 - (a) Write your name and the assignment so it is visible after being folded in half.
 - (b) Write your name and assignment on every page, in case the pages get separated.
 - (c) If possible, please staple your assignment.
 - (d) Write neatly.
2. Keep your graph transformations in mind as you tackle the material in Sections 4.1–4.2.
3. Unlike most functions, we can find a local extremum of a quadratic (i.e., the vertex of its parabola) without calculus.