

Math 1010-2 — Spring 2007 — Exam 3 – Review

- General Points:
 - There is just one fundamental way to prepare for an exam. Understand the material!
 - You'll answer questions on the exam itself. All you need to bring is a writing utensil.
 - When you receive the exam, **relax** and proceed deliberately. If you don't know how to do a problem, skip it and return to it later. Accuracy is paramount, speed is useless!
 - Check your answers.
 - There is a page on which you can take a note of your answers. Detach it and compare your answer with those on the answer sheet you'll pick up **on your way out**.
 - To avoid disruption and distraction I cannot answer questions during the exam, or after you are done while the exam is still in progress.
 - During the exam, **all books, notes, and electronic devices must be out of sight**.
- Sections to cover in the book: 3.6–3.7,4.1–4.3,5.1–5.5
- Exam topics (in parenthesis are the WebWorks problems related to the topic):
 - Relations and functions: evaluating and finding the domain of a function (Set 6: 11–23).
 - Graphs of functions: translations and reflections of basic graphs (Set 7: 1–9)
 - Solving systems of linear equations: two-by-two systems with substitution (Set 7: 10–12, 16–19)
 - Solving systems of linear equations: three-by-three systems with row echelon form and back substitution (Set 7: 20–23)
 - Word problems involving systems of linear equations (Set 7: 13–15, 25–26)
 - Integer exponents and scientific notation (Set 8: 1–9)
 - Polynomials: identifying (Set 9: 1–3)
 - Polynomials: evaluating and identifying degree, leading coefficient, and constant term (Set 8: 10–14,16, Set 9: 4–8)
 - Polynomials: multiplying (Set 8: 15,16–23)
 - Polynomial factoring: binomial factors, perfect squares, polynomial factors (Set 9: 9–21)
 - Polynomial word problems: (Set 8: 24–25)