

MATH 1314 (College Algebra)

Homework Assignment – 8

The Midterm Exam is on March 6

- New material:
Review Sections 3.4-3.6; just pay attention to the main terms and definitions.
 - Solve exercises:
 - pages 148-150: ## 45, 51, 57
 - pages 159-160: ## 13, 15, 29, 55, 73
 - pages 173-178: ## 1, 9, 17, 21, 33
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- **Prepare for the Midterm Exam**

Review Chapters 2 and 3. If needed (if you are not comfortable with the material), review Chapter 1.

Solve **Practice Tests** on page 96 (1–16) and page 191 (4–9 and 12).

The Midterm Exam on March 6 covers

- linear and quadratic equations
- linear and quadratic inequalities
- equations and inequalities with radicals, fractions, and absolute values (many of them can be reduced to either linear or quadratic form)
- Cartesian coordinates
- slopes and equations of straight lines
- functions: domain, range, zeros, increasing and decreasing behavior

Special attention: Sections 2.1-2.5, 3.1-3.3, 3.6