

Exam 3 Material and Review Exercises

Date: Thursday, April 6, In class



Material:

- **Sections:** 5.1, 5.2, 5.3, 5.4, 5.5, 5.6, 5.7, 6.1
Individual homework points total = 8
- **Group Projects:** The Largest Box, Factoring Trinomials.
Group Work points total = 4
- Exam 3 point total = 88 points.
- No Calculators allowed during the Exam.
- You may bring all the colorful handouts.

Chapter 5

- **Concepts:** Rules of exponents, terms, polynomials, polynomial functions, addition and subtraction of polynomials, multiplication of polynomials, GCF, factoring out GCF, roots of trinomials, the quadratic formula for roots, factoring trinomials, factoring polynomials completely, factoring using the formula $a^2 - b^2 = (a + b)(a - b)$.
- **Read:** Highlights: pages 355-358: 5.1, 5.2, 5.3, 5.4, 5.5, 5.6, 5.7
- **Review Exercises:** pages 358-360: (5.1) 1-15, (5.2) 20-35, 38-40, (5.3) 41-57, (5.4) 58-74, (5.5) 75-75-80, (5.6) 86-96, (5.7) 100-107, 116, 118
- **Test:** page 361: 1-4, 9-19, 21-22, 28

Chapter 6

- **Concepts:** Divide, multiply, and simplify rational expressions.
- **Read:** Highlights: page 434: 6.1
- **Review Exercises:** pages 438-439: (6.1) 7-15, 17-23, 25- 37
- **Test:** page 442: 3-4, 6, 7