

## Exam 3 Material

### 1 Quadratic Functions and GCF

- **Wednesday:** Intro to Quadratic Functions (14.1)
  - In-class: Worksheet p. 37
  - Homework 24: 14.1 (3p)
- **Thursday:** Factoring with GCF (G.1,G.2)
  - In-class: Handout
  - **Packet due at end of class: Worksheet p. 37 and today's handout**
  - Homework 25: Ch. G Part 1 #1-4 (p. 19)

### 2 Factoring Quadratic Expressions

- **Monday:** Factoring  $ax^2 + bx$  (G.3)
  - In-class: Worksheet p. 38
  - Homework 26: Ch. G Part 1 #5 (Start p. 20, it's due Wed.)
- **Tuesday:** Solving  $ax^2 + bx = 0$  (G.3)
  - **Quiz 12: Sections 14.1, G.2**
  - In-class: Worksheet p. 39
  - Homework 27: Ch. G Part 1 #5-6 (p. 20)
- **Wednesday:** Factoring  $x^2 + bx + c$  (G.4)
  - In class: Worksheet p. 40
  - Homework 28: Ch. G Part 1 #7 (p. 21)
- **Thursday:** Factoring  $ax^2 + bx + c$  (G.5)
  - **Quiz 13: Sections G.3, G.4**
  - In-class: Worksheets p. 41-43
  - **Packet due at end of class: Worksheets p. 38-43**
  - Homework 29: Ch. G Part 1 #8 (p. 22)

### 3 Factoring and Quadratic Equations

- **Monday:** Quadratic Equations (14.2)
  - In-class: Worksheet p. 44
  - Homework 30: 14.2 (1p)
- **Tuesday:** Solving Quadratic Equations (14.3)
  - **Quiz 14: Sections G.5, 14.2**
  - In-class: Worksheets p. 45-46
  - Homework 31: 14.3 (3p)
- **Wednesday:** Review and catch up
  - In-class: Extra credit handout
  - **Packet due at end of class: Worksheets p. 44-46**
- **Thursday:** NO CLASS

### 4 Quadratic Formula and Complex Numbers

- **Monday:** Quadratic Formula; Complex Numbers (14.4, 14.5)
  - In-class: Worksheets p. 47-48
  - Homework 32: 14.4, 14.5 (3p)
- **Tuesday:** Complex Solutions (14.6)
  - **Quiz 15: Sections 14.3-14.5**
  - In-class: Worksheets p. 49-50
  - Homework 33: 14.6 (2p)
- **Wednesday:** Quadratic Word Problems (14.7)
  - In-class: Worksheets p. 51-52
  - Homework 34: 14.7 (4p)
- **Thursday:** Review for Exam 3
  - **Quiz 16: Sections 14.6-14.7**
  - **Packet due at end of class: p. 47-52**
  - Homework 35: Lesson 14 review (3p) and factoring review handout (1p)

**EXAM 3 IS ON MONDAY**

## 5 Vertex Form and Graphing Quadratic Equations

- **Tuesday**: Vertex Form of a Quadratic Equation (G.6)
  - In-class: Worksheet p. 55-57
  - Homework 36: Ch. G Part 2 #1 (Start p. 31, it's due Thur.)
- **Wednesday**: Converting Between Standard Form and Vertex Form (G.7)
  - In-class: Worksheets p. 53-55
  - Homework 37: Ch. G Part 2 #2-4 (p. 31-33)
- **Thursday**: Review for final exam
  - **Quiz 17: Sections G.6, G.7**