

# ALGEBRA 2

Thurs., Oct. 16/Fri., Oct. 17

Sec. 2.1 pp. 52-53

3, 7, 11, 17, 21, 25, 26, 27, 29, 31, 32, 35-40

*Do not graph any book problems.*

Handout—Graphing Quadratics in Vertex Form

Mon., Oct. 20/Tues., Oct. 21

Sec. 2.2 pp. 61-63

23, 27, 29, 33, 34, 35, 37, 38, 49, 50

61 (x-int only), 63 (x-int only), 65, 66

Sec. 3.6 pp. 144-145

3-6, a & b at right

Graph. a)  $y > \frac{1}{2}x^2 - 2$

b)  $y \geq -3x^2 + 12x - 4$

Wed., Oct. 22/Thurs., Oct. 23

Sec. 2.4 pp. 80-82

3, 4, 5, 7, 9, 11, 13

Regression: 27, 35

Solve by graphing on calculator:

(a)  $2x^2 + 8x + 3 = 4x^2 + 5x - 1$

Sec. 3.1 pp. 99-101

57, 58

Fri., Oct. 24/Mon., Oct. 27

Sec. 3.1 pp. 99-102

15, 17, 21, 22, 29, 31, 33, 49, 52, 61, 68, 75

Solve by factoring:

(a)  $5x^2 - 13x + 6 = 0$  (b)  $4a^2 + 40a = 0$  (c)  $36n^2 + 18n = 28$

Write a quadratic equation in standard form with the given roots.

(d) 7, -3 (e)  $-2/3, -4/5$

**NO HOMEWORK  
COUPONS!**

Tues., Oct. 28/Wed., Oct. 29

Sec. 3.3 pp. 116-118

16, 17, 25, 31, 32, (a), 64

(a) Solve by completing the square:

$2x^2 + 26x - 1 = 0$

Sec. 3.4 pp. 127-129

10, 11, 17, 61, 63, & (b)

(b) A rocketry club launches model rockets from a platform 5 meters high. If your rocket has an initial velocity of 60 m/s, how high will it go? Round values to hundredths.

Thurs., Oct. 30/Mon., Nov. 3

Project: Applications of Quadratic Functions

**NO  
HOMEWORK  
COUPONS!**

Tues., Nov. 4/Wed., Nov. 5

Review Quadratic Functions

*Journal Due*

Thurs., Nov. 6/Fri., Nov. 7

**Quadratic  
Functions Test**

*Math Matters Due Next Class*