Name: _____ Date _____

Topic: Linear-Quadratic Systems - Worksheet 1

Solve algebraically.

1. $y = x^2 + 3x - 5$
$y = x + 3$

2. $y = x^2 – 4x + 6$
$y = x + 2$

3. $y = x^2 - 10x + 14$
$y = 7x – 16$

4. $y = x^2 – 24$
$y = x – 12$

5. $y = x^2 - 8x + 28$
$y = 4x + 8$

6. $y = x^2 + 6x - 17$
$y = 3x – 7$

7. $y = x^2 - 3x – 18$
$y = x + 3$

8. $y = x^2 + 6x + 10$
$y = -2x – 6$

9. $y = x^2 – 2x - 4$
$y = x + 6$

10. $y = x^2 – 3x – 6$
$y = x + 6$

Name: _____ Date _____

Topic: Linear-Quadratic Systems - Worksheet 2

Solve algebraically.

1. $y = x^2 + 5x - 20$
$y = x - 8$

2. $y = x^2 + 8x + 11$
$y = x + 1$

3. $y = x^2 - 4x + 12$
$y = 4x - 4$

4. $y = x^2 - 20$
$y = x - 8$

5. $y = x^2 - 7x + 27$
$y = 3x + 6$

6. $y = x^2 + 7x - 5$
$y = 2x + 9$

7. $y = x^2 - 5x - 14$
$y = x + 2$

8. $y = x^2 + 8x + 12$
$y = -3x - 6$

9. $y = x^2 - 6x - 20$
$y = -x - 6$

10. $y = x^2 - 6x - 9$
$y = x + 9$

Name: _____ Date _____

Topic: Linear-Quadratic Systems - Worksheet 3

Solve algebraically.

1. $y = x^2 + 8x + 6$
$y = x - 6$

2. $y = x^2 + 7x + 10$
$y = x + 1$

3. $y = x^2 - 7x + 14$
$y = 5x - 6$

4. $y = x^2 - 36$
$y = x - 16$

5. $y = x^2 - 5x + 14$
$y = 2x + 2$

6. $y = x^2 + 10x + 4$
$y = 3x - 6$

7. $y = x^2 - 6x - 10$
$y = x + 8$

8. $y = x^2 + 5x + 15$
$y = -5x - 6$

9. $y = x^2 + 4x + 8$
$y = -x + 2$

10. $y = x^2 - 7x + 19$
$y = x + 4$

Name: _____ Date _____

Topic: Linear-Quadratic Systems - Worksheet 4

Solve algebraically.

1. $y = x^2 + 7x + 3$
$y = x - 5$

2. $y = x^2 + x - 9$
$y = x - 5$

3. $y = x^2 - 9x + 18$
$y = 4x - 12$

4. $y = x^2 - 20$
$y = x + 10$

5. $y = x^2 + 8x + 15$
$y = -6x - 9$

6. $y = x^2 - 3x - 6$
$y = -7x + 6$

7. $y = x^2 - 4x - 16$
$y = 5x + 6$

8. $y = x^2 + 9x + 13$
$y = -x - 11$

9. $y = x^2 + 7x + 5$
$y = x - 3$

10. $y = x^2 - 7x + 8$
$y = x - 8$

Name: _____ Date _____

Topic: Linear-Quadratic Systems - Worksheet 5

Solve algebraically.

1. $y = x^2 + 5x - 7$
$y = x + 5$

2. $y = x^2 + 5x - 14$
$y = x - 2$

3. $y = x^2 - 5x + 11$
$y = 4x - 7$

4. $y = x^2 - 9$
$y = 2x + 6$

5. $y = x^2 - 7x + 22$
$y = 3x - 3$

6. $y = x^2 + 12x + 9$
$y = 4x - 3$

7. $y = x^2 - 6x + 8$
$y = x - 4$

8. $y = x^2 + 8x + 18$
$y = -6x - 6$

9. $y = x^2 - 2x + 2$
$y = -x + 8$

10. $y = x^2 - 4x - 20$
$y = x - 6$