Name: Date: Period:

Directions: Solve the following system of equations on graph paper and find their solution(s). Remember to write down the values of the table of values, the y-intercept, the slope, and the solution(s).

1. a) $y = x^2 - 4x + 3$ for $-1 \le x \le 5$

   b) $y - x = 3$

   m = _____ b = _____

   Solution(s):

2. a) $y = x^2 + 3x + 1$ for $-4 \le x \le 1$

   b) $y = 3x + 2$

   m = _____ b = _____

   Solution(s):

3. a) $y = x^2 - 3x + 2$ for $-1 \le x \le 4$

   b) $y - 2x = -2$

   m = _____ b = _____

   Solution(s):

4. a) $y = x^2 + x - 9$ for $-3 \le x \le 3$

   b) $y = 2x - 3$

   m = _____ b = _____

   Solution(s):

5. a) $y = x^2 - 2$ for $-3 \le x \le 3$

   b) $y - x = 4$

   m = _____ b = _____

   Solution(s):

6. a) $y = x^2 + x - 2$ for $-3 \le x \le 2$

   b) $y = x - 1$

   m = _____ b = _____

   Solution(s):

7. a) $y = x^2 - 4x + 3$ for $-1 \le x \le 5$

   b) $y + 2 = 2x$

   m = _____ b = _____

   Solution(s):

8. a) $y = x^2 - 2x - 3$ for $-2 \le x \le 4$

   b) $y + 1 = -x$

   m = _____ b = _____

   Solution(s):