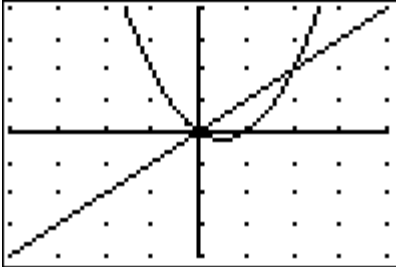


Name: _____

6.1 Solving Systems

Identify the solution(s) from the graph:

1)



2)



Solve each system graphically (Calculator):

5) $y = x^2 + 14x + 45$
 $y = -x - 5$

6) $y = 2x + 4$
 $y = -x^2 - 9x - 14$

7) $y = 3x^2 - 13x + 9$
 $y + 9 = 2x$

8) $y = -2(x + 3)(x - 4) - 5$
 $y + 5 = 0$

9) $y = x^2 + 4x + 2$
 $y = -|x + 2|$

10) $y = 3$
 $y = |x|$

Solve each system algebraically (Must show all work):

11. $y = 2(x + 2)^2 - 3$
 $y = 2x + 5$

12. $y = -(x - 3)^2 + 2$
 $y = x - 1$

13. $y = -(x - 2)^2$
 $y = -x$

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

15. $y = -x + 2$
 $y = x^2 - 4$

16. $y = 3(x - 2)^2 - 3$
 $y = -3x + 3$

17. $y = -x + 2$
 $y = x^2 - 4x + 4$

18. $2x + y = -5$
 $y = x^2 + 6x + 7$

19. $x - y = -1$
 $y = x^2 + 5x + 4$

20. $3x - y = 9$
 $y = \frac{1}{2}x^2 - 5$

21. $y = -1$
 $y = 2(x + 1)^2 - 1$

22. $x - y = -1$
 $y = x^2 + 5x + 4$

23. $y = x - 3$
 $y = -x^2 + 3$

24. $y = -x - 1$
 $y = (x + 2)^2 - 5$