Systems 2.2

Use a graphing calculator to solve each system of equations.

1) $y = x + 2$
   $y = -x$

2) $y = 1/3x - 3$
   $y = -2x - 4$
   $y = -2$

3) $y = \sqrt{x} - 3$
   $y = -x^2 - 1$

4) $y = |x - 1| - 1$
   $y = -1/2x + 1$

5) $y = x - 2$
   $y = x^2 - 4$

6) $y = -|x + 2| + 2$
   $y = x^2 + 8x + 14$

7) $y = 2x + 3$
   $3y = 6x - 3$
   $-2y = -4x + 10$

8) $y = -|x - 3| + 5$
   $-x + 2y = 1$
   $y = -x^2 + 8$

9) $y = -x + 6$
   $y = 2x + 1$
   $y = -3$

10) $2y - x = 2$
    $y - x^2 = 6x + 7$

11) $y = |x + 2| - 1$
    $3y = 2x + 5$

12) $5y = -2x + 4$
    $y = |x + 1| - 3$
    $y = 1/2(x + 4)^2 - 4$

13) $2x + y = 3$
    $-x + y = -3$

14) $y = |x + 2| - 5$
    $y = -2/3x + 6$
    $y = \sqrt{x - 2} + 4$

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

16) $y = 1/2x + 4$
    $4y = 2x + 16$
    $2y - x = 8$

17) $y = x^2 - 6x + 14$
    $y = x^2 - 6x + 11$
    $y = x^2 - 6x + 6$

18) $y = 2x + 3$
    $-2x + y = 3$

19) $y = x^2 + 4x + 9$
    $y = (x + 2)^2 + 5$

20) $y = |x - 3| - 4$
    $y = -|x - 3| + 4$
    $y = x - 3$

21) $y + 7 = 2x$
    $y - 6x = x^2 - 3$
    $y = \sqrt{x + 6} - 13$

22) $y - 4 = x^2 + 2x$
    $y = -|x + 8| + 16$
    $y = \sqrt{-x} + 10$

23) $y = 1/2|x - 3| - 3$
    $y = -x^2 + 10x + 12$
    $y = -\sqrt{x - 2} + 4$

24) $y = 3x - 5$

    $y = 3x - 5$

26) $y = -\sqrt{x} + 5$

    $y = -\sqrt{x} + 2$

    $y = -\sqrt{x} - 3$