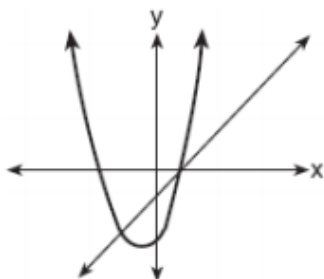


1. 060507a, P.I. A.G.9

The accompanying diagram shows the graphs of a linear equation and a quadratic equation.



How many solutions are there to this system of equations?

- [A] 0      [B] 1      [C] 2      [D] 3

2. 060810ia, P.I. A.A.11

Which ordered pair is a solution to the system of equations  $y = x$  and  $y = x^2 - 2$ ?

- [A] (2, 2)                      [B] (0, 0)  
[C] (-2, -2)                    [D] (-1, 1)

3. 080812ia, P.I. A.A.11

Which ordered pair is in the solution set of the system of equations  $y = -x + 1$  and  $y = x^2 + 5x + 6$ ?

- [A] (5, -4)                      [B] (5, 2)  
[C] (-5, 6)                      [D] (-5, -1)

4. 010922ia, P.I. A.A.11

Which ordered pair is a solution of the system of equations  $y = x^2 - x - 20$  and  $y = 3x - 15$ ?

- [A] (-5, -30)                    [B] (5, -1)  
[C] (0, 5)                        [D] (-1, -18)

5. 060018a, P.I. A.A.11

The graphs of the equations  $y = x^2 + 4x - 1$  and  $y + 3 = x$  are drawn on the same set of axes. At which point do the graphs intersect?

- [A] (1, -2)                      [B] (1, 4)  
[C] (-2, 1)                      [D] (-2, -5)

6. 080135a, P.I. A.A.11

Solve the following system of equations algebraically:

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

$$y = 2x + 1$$

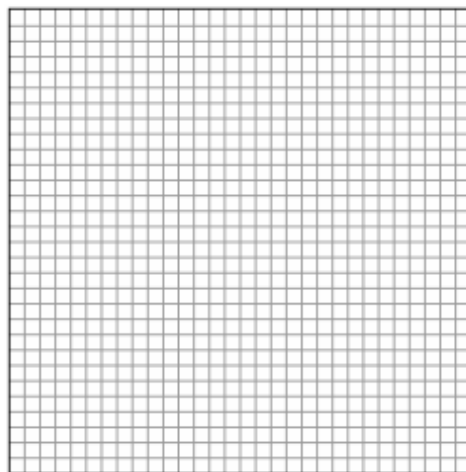
7. 080538a, P.I. A.A.11

Solve the following system of equations:

$$y = x^2 + 4x + 1$$

$$y = 5x + 3$$

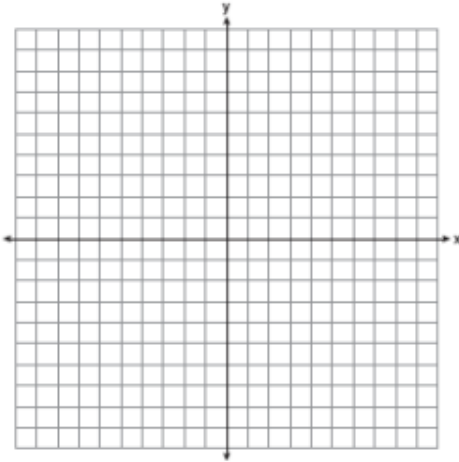
[The use of the grid is optional.]



8. 080839ia, P.I. A.G.9  
 On the set of axes below, solve the following system of equations graphically and state the coordinates of all points in the solution set.

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

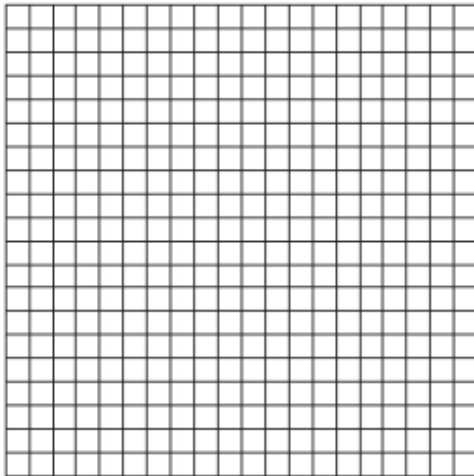
$$y = x - 1$$



9. 060839a, P.I. A.A.11  
 Solve the following system of equations algebraically or graphically for  $x$  and  $y$ :

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

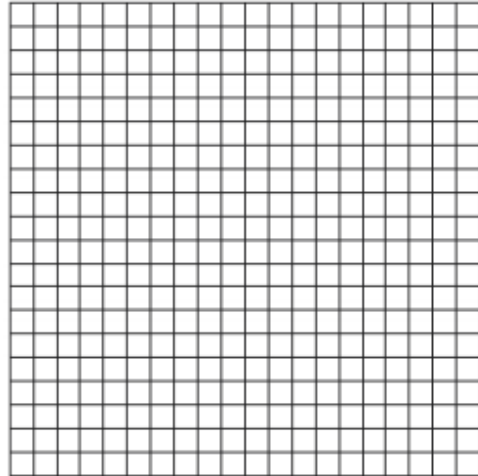
$$y = x - 1$$



10. 080839a, P.I. A.A.11  
 Solve the following system of equations algebraically or graphically for  $x$  and  $y$ :

$$y = x^2 + 4x + 6$$

$$y = 2x + 6$$



11. 069935a, P.I. A.A.11  
 Solve the following system of equations algebraically or graphically for  $x$  and  $y$ :

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

$$y = 3x + 5$$

