

NAME: _____

1. 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)

2. 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)

3. 010922ia, P.I. A.A.11

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

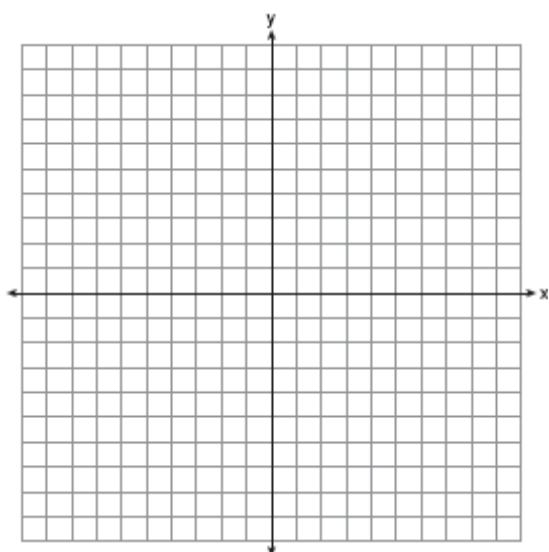
- [A] (0, 5) [B] (-1, -18)
 [C] (-5, -30) [D] (5, -1)

4. 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.

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

$$y = x - 1$$

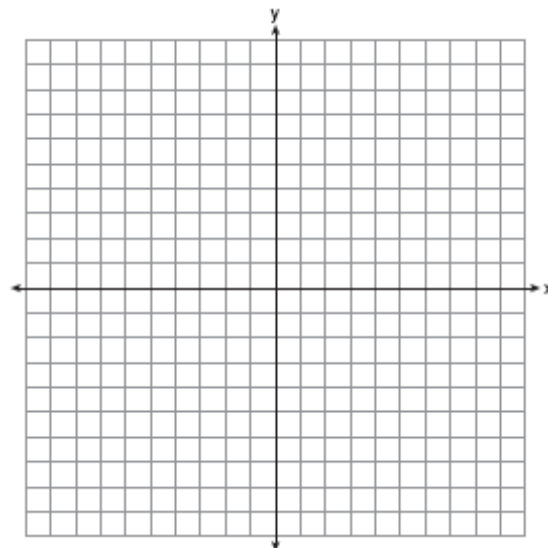


5. fall0738ia, P.I. A.G.9

Solve the following systems of equations graphically, on the set of axes below, and state the coordinates of the point(s) in the solution set.

$$y = x^2 - 6x + 5$$

$$2x + y = 5$$

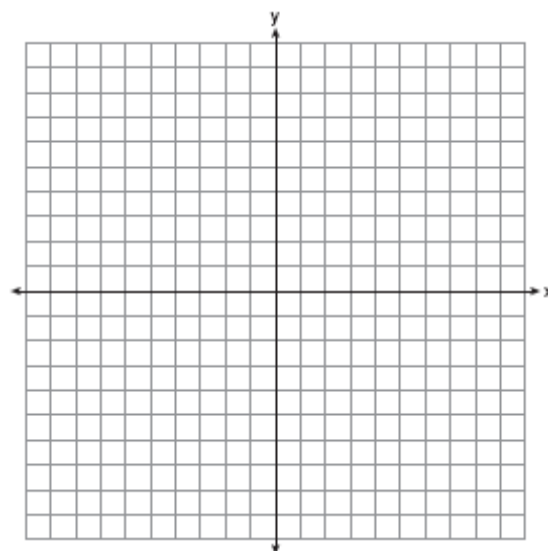


6. 060939ia, P.I. A.G.9

On the set of axes below, solve the following system of equations graphically for all values of x and y .

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

$$y + 2x = 6$$



[1] C _____

[2] C _____

[3] B _____

[4] Appropriate graphs are drawn, and (1, 0) and (-4, -5) are stated.

[3] Appropriate work is shown, but one graphing error is made, but appropriate solutions are stated.

or [3] Both graphs are drawn correctly, but only one solution is stated.

[2] Appropriate work is shown, but two or more graphing errors are made, but appropriate solutions are stated.

or [2] Appropriate work is shown, but one conceptual error is made, such as graphing a line instead of a parabola, but appropriate solutions are stated.

or [2] Both graphs are drawn correctly, but no solutions are stated.

or [2] (1, 0) and (-4, -5) are found as the points of intersection, but a method other than graphic is used.

[1] Appropriate work is shown, but one conceptual error and one graphing error are made.

or [1] The system is solved algebraically for only the x values, y values, or the coordinates of one point.

or [1] One graph is drawn correctly, but no further correct work is shown.

or [1] (1, 0) and (-4, -5) are stated, but no work is shown.

[0] (1,0) or (-4, -5) is stated, but no work is shown.

or [0] A zero response is completely incorrect, irrelevant, or incoherent or is a correct response that was obtained by an

[4] obviously incorrect procedure. _____

[4] Correct graphs are drawn, and (0,5) and (4,-3) are stated.

[3] Both equations are graphed, but one graphing error is made, but appropriate solutions are stated.

or [3] Both graphs are drawn correctly, but only one solution is stated.

[2] Both graphs are drawn correctly, but no solutions are stated.

or [2] Both equations are graphed, but two or more graphing errors are made, but appropriate solutions are stated.

or [2] Appropriate work is shown to find (0,5) and (4,-3), but a method other than graphing is used.

or [2] Both equations are graphed, but one conceptual error is made.

[1] Both equations are graphed, but one conceptual error and one graphing error are made.

or [1] (0,5) and (4,-3) are stated, but no work is shown.

[0] (0,5) or (4,-3) is stated, but no work is shown.

or [0] A zero response is completely incorrect, irrelevant, or incoherent or is a correct response that was obtained by an

[5] obviously incorrect procedure. _____

[4] Both equations are graphed correctly, and $(-1,8)$ and $(5,-4)$ are stated.

[3] Appropriate work is shown, but one computational or graphing error is made, but the appropriate points of intersection are stated.

or [3] Both equations are graphed correctly, but only one point of intersection is stated.

[2] Appropriate work is shown, but two or more computational or graphing errors are made, but appropriate points of intersection are stated.

or [2] Appropriate work is shown, but one conceptual error is made.

or [2] Both equations are graphed correctly, but the points of intersection are not stated or are stated incorrectly.

or [2] $(-1,8)$ and $(5,-4)$ are found as points of intersection, but a method other than a graphic method is used.

[1] Appropriate work is shown, but one conceptual error and one computational or graphing error are made.

or [1] One of the equations is graphed correctly, but no further correct work is shown.

or [1] $(-1,8)$ and $(5,-4)$ are stated, but no work is shown.

[0] $(-1,8)$ or $(5,-4)$ is stated, but no work is shown.

or [0] A zero response is completely incorrect, irrelevant, or incoherent or is a correct response that was obtained by an

[6] obviously incorrect procedure.