

NAME: _____

1. 060925ia, P.I. A.A.10

What is the value of the y -coordinate of the solution to the system of equations $x + 2y = 9$ and $x - y = 3$?

[A] 3 [B] 6 [C] 2 [D] 5

2. 080920ia, P.I. A.A.10

What is the value of the y -coordinate of the solution to the system of equations $x - 2y = 1$ and $x + 4y = 7$?

[A] 1 [B] 4 [C] -1 [D] 3

3. fall0708ia, P.I. A.A.7

The equations $5x + 2y = 48$ and $3x + 2y = 32$ represent the money collected from school concert ticket sales during two class periods. If x represents the cost for each adult ticket and y represents the cost for each student ticket, what is the cost for each adult ticket?

[A] \$20 [B] \$8 [C] \$4 [D] \$10

4. 010937ia, P.I. A.A.10

Solve the following system of equations algebraically:

$$3x + 2y = 4$$

$$4x + 3y = 7$$

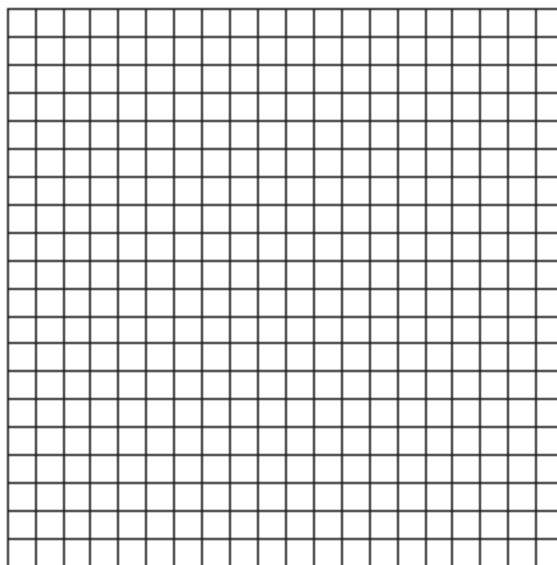
[Only an algebraic solution can receive full credit.]

5. 080938ia, P.I. A.G.7

On the grid below, solve the system of equations graphically for x and y .

$$4x - 2y = 10$$

$$y = -2x - 1$$



[1] C _____

[2] A _____

[3] B _____

[4] $(-2,5)$ or $x = -2$ and $y = 5$, and appropriate algebraic work is shown.

[3] Appropriate algebraic work is shown, but one computational error is made, but appropriate values are found for x and y .

or [3] $x = -2$ or $y = 5$, and appropriate algebraic work is shown.

[2] Appropriate algebraic work is shown, but two or more computational errors are made, but appropriate values are found for x and y .

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

or [2] $(-2,5)$ or $x = -2$ and $y = 5$, but a method other than an algebraic method is used.

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

or [1] The trial-and-error method is used to find the correct solution, but fewer than three trials and appropriate checks are shown.

or [1] $x = -2$ or $y = 5$, but a method other than an algebraic method is used.

or [1] $(-2,5)$ or $x = -2$ and $y = 5$, but no work is shown.

[0] $x = -2$ or $y = 5$, 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] Both equations are graphed correctly, and at least one is labeled, and $(1,-3)$ is stated.

[3] Appropriate work is shown, but one computational, graphing, or labeling error is made, but an appropriate point of intersection is stated.

or [3] Both equations are graphed correctly and at least one is labeled, but the point of intersection is not stated or is stated incorrectly.

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

or [2] Appropriate work is shown, but one conceptual error is made, but an appropriate point of intersection is stated.

or [2] Both equations are graphed correctly, but neither is labeled, and the point of intersection is not stated or is stated incorrectly.

or [2] $(1,-3)$, but a method other than graphic is used.

[1] Appropriate work is shown, but one conceptual error and one computational, graphing, or labeling error are made, but an appropriate point of intersection is stated.

or [1] One line is graphed and labeled correctly, but no further correct work is shown.

or [1] $(1,-3)$, but no work is shown.

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

[5] incorrect procedure. _____