

Equations Systems
03/01/2012

Student Name: _____

Class: _____

Date: _____

Instructions: **Read each question carefully and select the correct answer.**

1. Solve the system of equations.

$$\begin{aligned} 4x + 5y &= 3 \\ 2x + y &= 0 \end{aligned}$$

- A. $\left(\frac{3}{7}, \frac{9}{35}\right)$
- B. $\left(\frac{3}{14}, \frac{3}{7}\right)$
- C. $(2, -1)$
- D. $\left(-\frac{1}{2}, 1\right)$

2. A possible step toward solving these equations by addition could be:

$$\begin{aligned} 4y - 6x &= 11 \\ -8x - 4y &= 13 \end{aligned}$$

- A. adding $-6x$ and $-8x$
- B. multiplying $4y - 6x = 11$ by -3 and $-8x - 4y = 13$ by 3
- C. subtracting 13 from 11
- D. plugging $x = 1/7$ into the

4. Solve this system of equations:

$$12x - 5y = 30$$

$$y = 2x - 6$$

- A. $x = 5/6, y = -4$
- B. $x = 2, y = -6/5$
- C. $x = 0, y = 6$
- D. $x = 0, y = -6$