

Do Now: Linear Systems 5

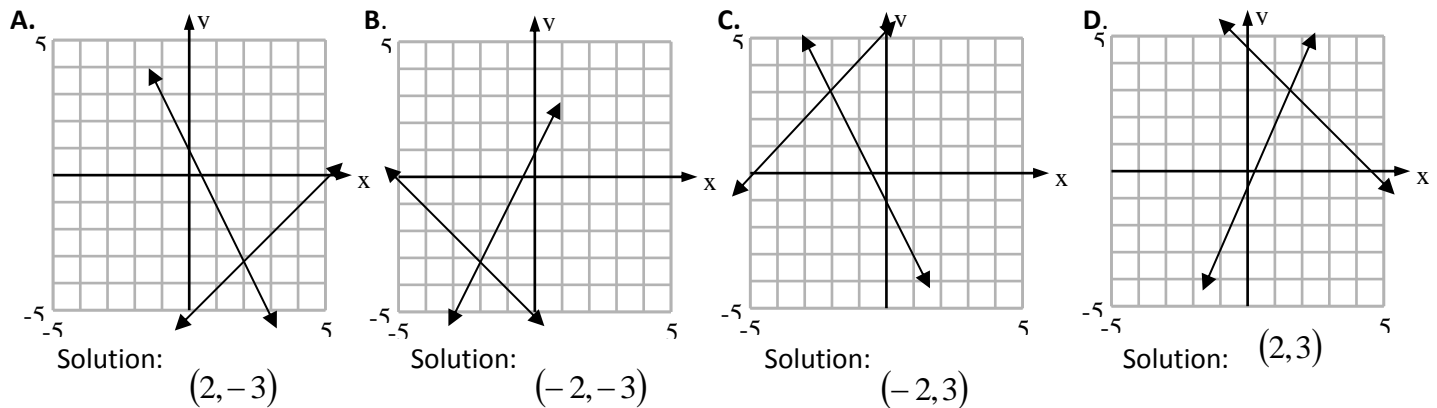
Multiple Choice

Identify the choice that best completes the statement or answers the question.

1. Solve the system by graphing.

$$-x + y = -5$$

$$2x + y = 1$$



2. Solve the system using substitution.

$$y = -5x + 12$$

$$3x + 2y = 3$$

- A.** $(1, 7)$ **B.** $(2, 2)$ **C.** $(3, -3)$ **D.** $(1, 0)$

3. Dave solved the following system using substitution. What is the first line in his solution that contains an error?

$$4x - y = 2$$

$$y = 4x + 2$$

Dave's solution:

$$4x - (4x + 2) = 2 \quad \text{Line 1}$$

$$4x - 4x - 2 = 2 \quad \text{Line 2}$$

$$x - 2 = 2 \quad \text{Line 3}$$

$$x = 4 \quad \text{Line 4}$$

$$y = 4(4) + 2 \quad \text{Line 5}$$

$$y = 18 \quad \text{Line 6}$$

$$\text{Solution : } (-4, 18)$$

- A.** Line 1 **B.** Line 2 **C.** Line 3 **D.** Line 4