

Solve by Elimination

9/22/14
Bridge
Math

$$\begin{array}{r} 5(6x + 7y = 4) \quad 5 \\ -6(5x + 8y = -1) \quad -6 \end{array}$$



$$30x + 35y = 20$$

$$\begin{array}{l} \text{So, } 5x + 8(-2) = -1 \\ 5x - 16 = -1 \end{array}$$

$$5x = 15$$

$$x = 3$$

$$\textcircled{+} \quad -30x - 48y = 6$$

$$-13y = 26$$

$$y = -2$$

$$(3, -2)$$

Check 4 Understanding

Solve by Elimination

$$\textcircled{1} \quad \begin{array}{l} 8x - 5y = 32 \\ 4x + 5y = 4 \end{array}$$

$$\textcircled{2} \quad \begin{array}{l} 2x + 3y = -15 \\ 5x + 2y = 1 \end{array}$$

$$\textcircled{3} \quad \begin{array}{l} 4x = 9 - 3y \\ 5x - 2y = 8 \end{array}$$