

Warm up - day 1

Simplify each expression.

1. $3x + 2y - 5x - 2y$

2. $5(x - y) + 2x + 5y$

3. $2x + 3y = 10$
 $+ 3x - 3y = -15$

Warm up - day 2

Solve by addition.

$$\begin{cases} 3x + y = 6 \\ 5x - y = 10 \end{cases}$$

How do you choose which method to use?

$$\begin{cases} y = x + 12 \\ y = -3x \end{cases}$$

$$\begin{cases} y = x + 2 \\ 3x + y = 10 \end{cases}$$

$$\begin{cases} 3x - y = 7 \\ 2x + y = 3 \end{cases}$$

Example 1

$$\begin{cases} 3x = y - 2 \\ y - 2x = 3 \end{cases}$$

Example 2

$$\begin{cases} 2x + 5y = 9 \\ x - 3y = 10 \end{cases}$$

HW #4

$$\begin{cases} 6x - 2y = 10 \\ x - 2y = -5 \end{cases}$$

HW #7

$$\begin{cases} x = 5 - 9y \\ 4x + 9y = -7 \end{cases}$$

HW #8

$$\begin{cases} 3x = 5y - 9 \\ 2y = 3x + 3 \end{cases}$$