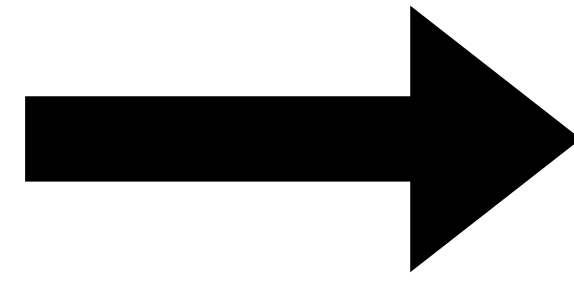


Interchange Example

$$2x + 3y = -6$$

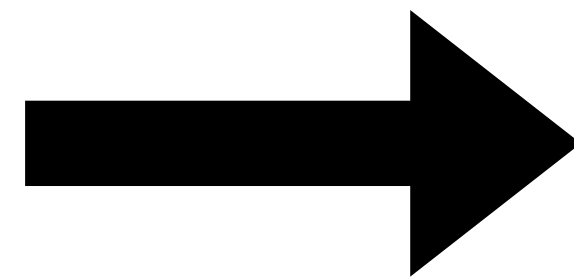
$$4x - 5y = 10$$



$$4x - 5y = 10$$

$$2x + 3y = -6$$

$$\begin{bmatrix} 2 & 3 & -6 \\ 4 & -5 & 10 \end{bmatrix}$$

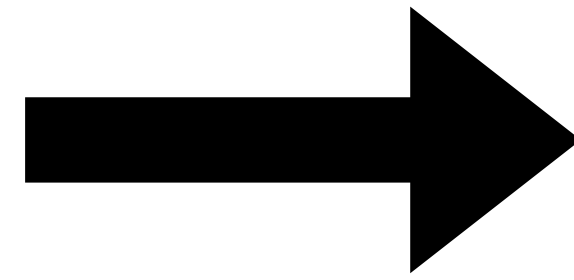


$$\begin{bmatrix} 4 & -5 & 10 \\ 2 & 3 & -6 \end{bmatrix}$$

Replacement

$$2x + 3y = -6$$

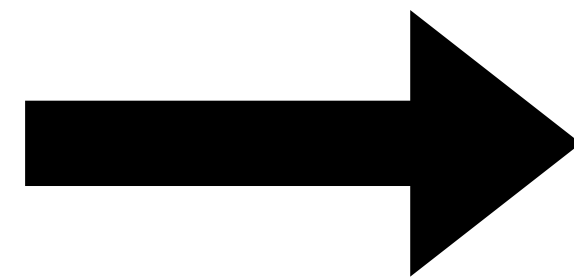
$$4x - 5y = 10$$



$$2x - 3y = -6$$

$$6x - 2y = 4$$

$$\begin{bmatrix} 2 & 3 & -6 \\ 4 & -5 & 10 \end{bmatrix}$$



$$\begin{bmatrix} 2 & 3 & -6 \\ 6 & -2 & 4 \end{bmatrix}$$