

# Elimination

$$3.) \quad 4x + 4y = 12$$

$$+ \quad -x - 4y = -3$$

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$$\frac{3x}{3} = \frac{9}{3}$$

$$x = 3$$

$$\begin{array}{r} -3y - 4y = -3 \\ +3 \end{array}$$

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$$\frac{-4y}{-4} = \frac{0}{-4}$$

$$y = 0$$

~~(3,0)~~

(3,0)



$$4.) -2x - 6y = 6$$

$$-2(-4x - 3y = -6) = +8x + 6y = +12$$

$$\begin{array}{r} -2x - 6y = 6 \\ + 8x + 6y = +12 \\ \hline \end{array}$$

$$\frac{6x}{6} = \frac{18}{6}$$

$$x = 3$$

$$(3, -2)$$

$$-2(3) - 6y = 6$$

$$\begin{array}{r} -6 - 6y = 6 \\ +6 \quad \quad +6 \end{array}$$

$$\begin{array}{r} -6y = 12 \\ \hline -6 \quad \quad -6 \end{array}$$

$$y = -2$$