

Elimination

* All parts must line up!

$$4x - 3y = 5$$

$$-2x + 3y = -7$$

$$\frac{2x}{2} = \frac{-2}{2}$$

$$x = -1$$

$$\boxed{(-1, -3)}$$

$$-(4x + 3y = 2)$$

$$5x + 3y = -2$$

$$\frac{-4x - 3y = -2}{x = -4}$$

$$\boxed{(-4, 6)}$$

$$4(-1) - 3y = 5$$

$$-4 - 3y = 5$$

$$\frac{+4}{+4} \quad \frac{+4}{+4}$$

$$\frac{-3y}{-3} = \frac{9}{-3}$$

$$y = -3$$

$$4(-4) + 3y = 2$$

$$-16 + 3y = 2$$

$$3y = 18$$

$$y = 6$$

$$-3(2x + 3y = 5)$$

$$6x + 5y = 19$$

$$-10x - 9y = -15$$

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

$$y = -1$$

$$\boxed{(4, -1)}$$

$$-7(2x - 9y = 1)$$

$$2(7x - 12y = 23)$$

$$-14x + 63y = -7$$

$$\frac{14x - 24y = 46}{39y = 39}$$

$$y = 1$$

$$\boxed{(5, 1)}$$

$$6x + 5(-1) = 19$$

$$6x - 5 = 19$$

$$\frac{+5}{+5} \quad \frac{+5}{+5}$$

$$6x = 24$$

$$x = 4$$

$$2x - 9(1) = 1$$

$$2x - 9 = 1$$

$$2x = 10$$

$$x = 5$$