



03/11/2020

3pm

ACHA 3000

1903738

6088

$$\begin{array}{lcl} (5) & 5x + 3y = 39 & (1) \\ & 8x - 2y = 42 & (2) \end{array}$$

~~$$2(5x) \quad 2(5x + 3y)$$~~

~~$$2(8x - 2y) \quad 2(8x - 2y)$$~~

$$\begin{array}{l} 2 \times 5x + 3y = 39 \\ 10x + 6y = 78 \quad (3) \end{array}$$

$$\begin{array}{l} 3 \times 8x - 2y = 42 \\ 24x - 6y = 126 \quad (4) \end{array}$$

~~$$10x + 6y = 78$$~~

$$\begin{array}{r} 10x + 6y = 78 \\ 24x - 6y = 126 \\ \hline \end{array} +$$

$$34x = 204$$

$$x = \frac{204}{34}$$

$$\underline{\underline{x = 6}}$$

$$5(6) + 3y = 39$$

~~$$8(6) - 2y = 42$$~~

~~$$8(6) - 2y = 42$$~~

$$30 + 3y = 39$$

$$3y = 39 - 30$$

$$3y = 9$$

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

$$y = 3$$

$$\underline{\underline{y = 3}}$$

$$\begin{aligned} (6) \quad & 5(2x^2 - y^2) - x^2(x^2 - y) - x^2y - x^4 \\ & 10x^2 - 5y^2 - x^4 + x^2y - x^2y - x^4 \\ & 10x^2 - 5y^2 - 2x^4 \\ & \cancel{8x^2} \\ & \cancel{-2x^4} - 2x^4 + 10x^2 - 5y^2 \end{aligned}$$