

SUBSTITUTION

$$2x - 5y = -22$$

$$3x + 4y = 13$$

$$2x = 5y - 22$$

$$x = 5y - 11$$

$$\frac{15}{2}4 - 33 + 14 = 13$$

$$15y - 46 + 8y = 26$$

3(=y-11)+4y=13

$$\frac{234}{23} = \frac{92}{23}$$

- 1) I solate one of the Variables (Use variable with smallest coefficient.)
- 2) Substitute into other equation +

 solve for the remaining

$$X = \frac{5}{2}(4) - 11$$

$$X = 10 - 11$$

$$X = -1$$

$$(-1, 4)$$

Determinant - a square array of numbers
enclosed between vertical lines

= has a numerical value

=
$$16 + 15 = 31$$
 | $ab = ad - bc$

$$\begin{vmatrix} a b \\ c d \end{vmatrix} = ad - bc$$

$$\begin{vmatrix} -7 & 2 \\ 4 & 3 \end{vmatrix} = -21 - 8$$

$$= -29$$

$$\begin{vmatrix} -22 - 5 \\ 3 & 4 \end{vmatrix} = 8 + 15 = 23$$

$$x = \begin{vmatrix} -23 - 5 \\ 3 & 4 \end{vmatrix} = 8 + 15 = 23$$

$$x = \begin{vmatrix} -23 - 5 \\ 3 & 4 \end{vmatrix} = \begin{vmatrix} -23 - 5 \\ 3 & 4 \end{vmatrix} = \begin{vmatrix} -23 - 65 \\ 3 & 4 \end{vmatrix}$$

$$x = \begin{vmatrix} -23 - 5 \\ 3 & 4 \end{vmatrix} = \begin{vmatrix} -23 - 23 \\ 3 & 4 \end{vmatrix}$$

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GRAPHING - (calculator) 8x + 20y = -200 800x - 55y = -49550Standard Form: 10 + 200 = 10 + 200Menu-3-3-1-3

Back to $f_1(x)$:

Menu-3-1