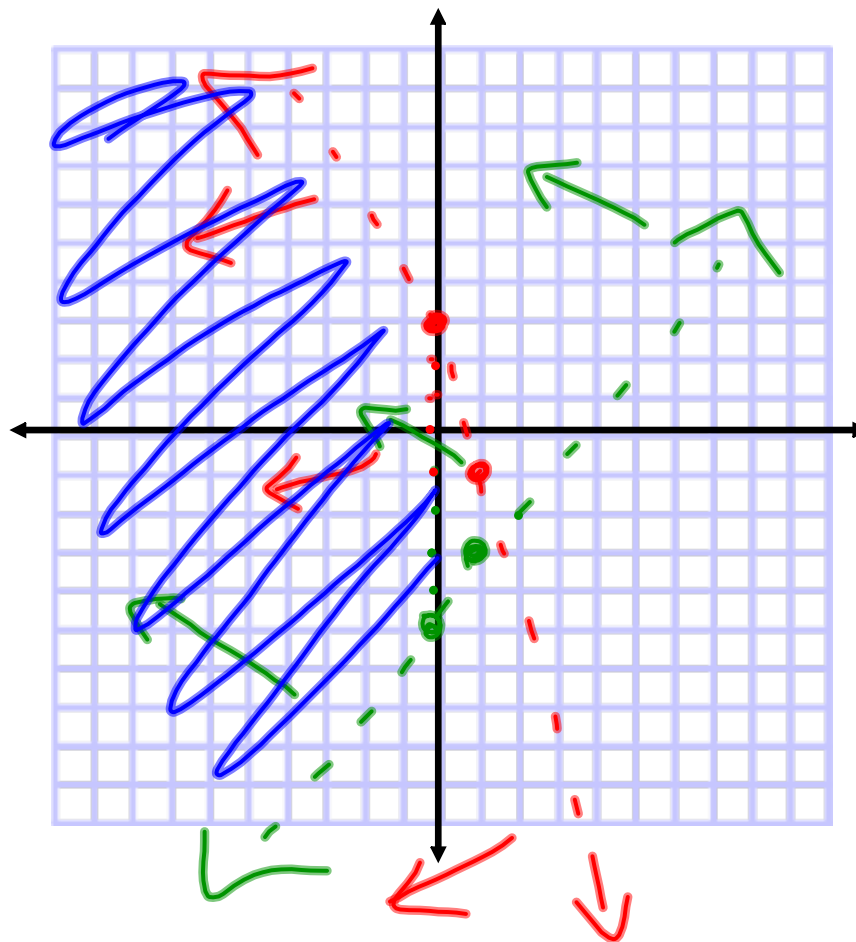


$$y > 2x - 5$$
$$y < -4x + 3$$



$$\text{sum} = -88$$

4 consec even #s

$$\left. \begin{array}{l} x = 1\text{st even \#} \\ x+2 = 2\text{nd} \\ x+4 = 3\text{rd} \\ x+6 = 4\text{th} \end{array} \right\} \text{sum} = -88$$

$$x + (x+2) + (x+4) + (x+6) = -88$$

$$4x + 12 = -88$$

$$4x = -100$$

$$x = -25$$

$$\frac{\text{Vol.}}{\text{how much}} \cdot \% \text{ Sol} = \text{Pure Element strength} = \text{pure}$$

	Vol	%	Pure
1	x	30	30x
2	250-x	40	40(250-x)
Mix	250	47	250(47) = 11750

$$30x + 40(250 - x) = 11750$$

$x$  Ind. =

Whats	How many	Worth	Total Value
5¢	$x$	.05	$.05x$
10¢	$2x$	.10	$.10(2x)$
25¢	$50-3x$	.25	$.25(50-3x)$
Total	50	~	23.29

$$.05x + .10(2x) + .25(50-3x) = 23.29$$

$$(2, 3) \quad (-8, -7)$$

2	3
-8	-7

$$m = \frac{-10}{-10} = 1$$

$$\frac{y_2 - y_1}{x_2 - x_1} = m$$

$$\frac{3 - (-7)}{2 - (-8)} \text{ or } \frac{-7 - 3}{-8 - 2}$$

$$\frac{10}{10} = 1 = \frac{-10}{-10}$$

$$f(x) = 3x^2 - 2x + 3$$

$$g(x) = \frac{(x-4)}{2}$$

$$2[f(-3) + g(12)]$$

$$2[36 + 4]$$

$$2(40)$$

$$80$$

$$g(f(-3))$$

$$g(36) = \frac{36-4}{2} = \frac{32}{2} = 16$$

$$f(-3) = 3(-3)^2 - 2(-3) + 3$$

$$= 3(9) + 6 + 3$$

$$= 27 + 9$$

$$= 36$$

$$g(12) = \frac{(12-4)}{2} = \frac{8}{2} = 4$$

$$\begin{array}{r} 2x+3=2x+3 \\ -2x \quad -2x \\ \hline 3=3 \\ -3 \quad -3 \\ \hline 0=0 \end{array}$$

identity

is  
is  
is

$$\begin{array}{r} 2x+3=2x-5 \\ -2x \quad -2x \\ \hline 3=-5 \\ \emptyset \end{array}$$

$$y = -x^2 + 6x - 5 \text{ when } x = 4?$$

$$-(x^2) + 6x - 5$$

$$-16 + 24 - 5$$

$$8 - 5$$

$$3$$

$$3 \neq 5$$

$$\emptyset$$

$$7 > 4$$

$$\ominus$$
$$\mathcal{R}$$