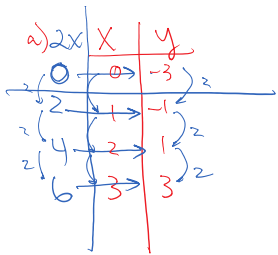


a) $\frac{3y}{2} = 2x - 1$ Y	b) $y = \frac{2x-1}{25}$ N	c) $y = 2\sqrt{x} - 4x$ N	d) $y = 2x - 3x + 1$ N
e) $2y = 2(\sqrt{x}) + 1$ N	f) $2y - 1 = 0 + 1$ N	g) $y + 2 = \frac{-2x + 2x^2}{5x}$ N	h) $2(x) + 1 = 5x$ N
i) $\frac{5y}{-2} + 2x = 1$ Y	j) $\frac{-4}{3}y + 2x - 9$ N No equal sign	k) $\frac{3y - 2x}{3} = 4$ Y	l) $4(x) = 3$ N

$\sqrt{x^2} = |x|$
 $\sqrt{5^2} = 5$ $|5| = 5$ $|0| = 0$
 $\sqrt{(-5)^2} = 5$ $|-5| = 5$

3. Given the following table of values, find a function that will satisfy it

a) $\begin{matrix} x & 0 & 1 & 2 & 3 \\ y & -3 & -1 & 1 & 3 \end{matrix}$	b) $\begin{matrix} x & -2 & 3 & 10.5 & 15.5 \\ y & 1 & 3 & 6 & 8 \end{matrix}$	c) $\begin{matrix} x & 1 & 3 & 9 & 11 \\ y & 2 & 3 & 6 & 7 \end{matrix}$
d) $\begin{matrix} x & -2 & 1 & 3 & 4 \\ y & 0.5 & -1.75 & -3.25 & -4 \end{matrix}$	e) $\begin{matrix} x & 0 & 1 & 3 & 4 \\ y & 5 & 5 & 25 & -25 & -5 \end{matrix}$	f) $\begin{matrix} x & 15 & 1 & 3 & 4 \\ y & 13 & -1 & 7 & 4 \end{matrix}$



$2x - 3 = y$

b)

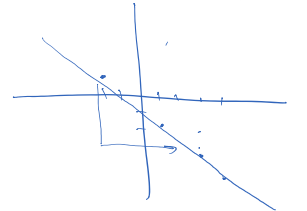
x	y	2.5y
-2	1	2.5
3	3	7.5
10.5	6	15
15.5	8	20

d)

x	y
-2	0.5
1	-1.75
3	-3.25
4	-4

$\frac{y - y_1}{x - x_2} = \frac{\text{Rise}}{\text{Run}}$

$\frac{y + 4}{x - 4} = \frac{0.5 + 1.75}{-2 - 1}$



c)

x	y
1	2
3	3
9	6
11	7

$y = mx + b$

$2 = m + b \rightarrow 2 = 0.5 + b \rightarrow b = 1.5$

$7 = m(11) + b \rightarrow 7 = 5.5 + b \rightarrow b = 1.5$

$5 = 10m$

$0.5 = m$

$x + 4.5 = 2.5y$

9. The points (x,y) represented in this table lie on a straight line. When the equation of this line is written in the form $y = Ax + B$, what is the value of $A + B$?

x	y
2	7
t-2	v
t	v+6

slope must be the same

$\frac{v-7}{(t-2)-2} = \frac{v+6-7}{t-2} = \frac{v+6-v}{t-(t-2)}$

① Find the slope

$\frac{v+6-v}{t-(t-2)} = \text{slope}$

$\frac{6}{2} = \text{slope}$
 $\frac{6}{2} = \text{slope}$

$y = mx + b$

$7 = (-2)(2) + b$

$1 = b$

$$\frac{2}{3} = \text{slope}$$

$$y = 3x + 1$$

$$A = 3 \quad B = 1$$