

nome: Guilherme Mendes Romalho

$$\textcircled{1} \left( \frac{1}{8} + \frac{1}{4} \right) - \left( \frac{1}{16} \times \frac{1}{6} \right) = \frac{3}{8} - \frac{1}{96} = \frac{36}{96} - \frac{1}{96} = \frac{35}{96}$$

$$\frac{1}{16} \times \frac{1}{6} = \frac{1}{96}$$

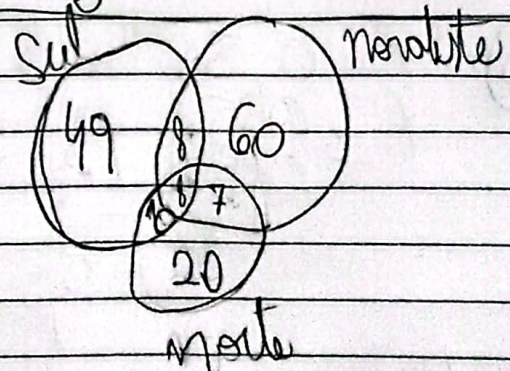
$$\begin{array}{r} 316 \\ \times 6 \\ \hline 96 \end{array}$$

mmc	8	96	2	4
	4	48	2	4
	2	24	2	8
	1	12	2	16
		6	2	32
		3	3	96

$$\frac{1}{8} + \frac{1}{4} = \frac{1}{8} + \frac{2}{8} = \frac{3}{8}$$

mmc	8	4	2	4
	4	2	2	4
	2	1	2	4
	1	1	2	4

$$\begin{array}{r} 96 \div 8 \\ 16 \quad 12 \\ 0 \end{array}$$



$\textcircled{2}$  180 clientes

75 sul

83 noroeste

45 norte

18 região sul e norte

16 sul e noroeste

15 norte e noroeste

8 norte, noroeste e sul

$$RS = 75 - 8 + 8 + 10$$

$$norl = 83 - 8 + 8 + 7$$

$$not = 45 - 10 + 8 + 7$$

$$49 + 8 + 8 + 7 + 10 + 60 + 20 = 162$$

$$\begin{array}{r} 180 \\ - 162 \\ \hline 18 \end{array}$$



④ 100 gramas por dia  
 $\frac{100}{1000} \text{ kg}$

1 kg = 1000 = convertido  
 em kg fica 0,1

$$T = 95 - 0,1A$$

$$\textcircled{c} \frac{3x}{2} + 2(x-1) = \frac{x}{8} - 3 \Leftrightarrow \frac{3x}{2} + 2x - 2 = \frac{x}{8} - 3$$

$$\Leftrightarrow \frac{3x}{2} + 2x - \frac{x}{8} = -3 + 2 \Leftrightarrow \frac{12x + 16x - x}{8} = \frac{-24 + 16}{8}$$

$$127x = -8$$

$$x = \frac{-8}{127}$$

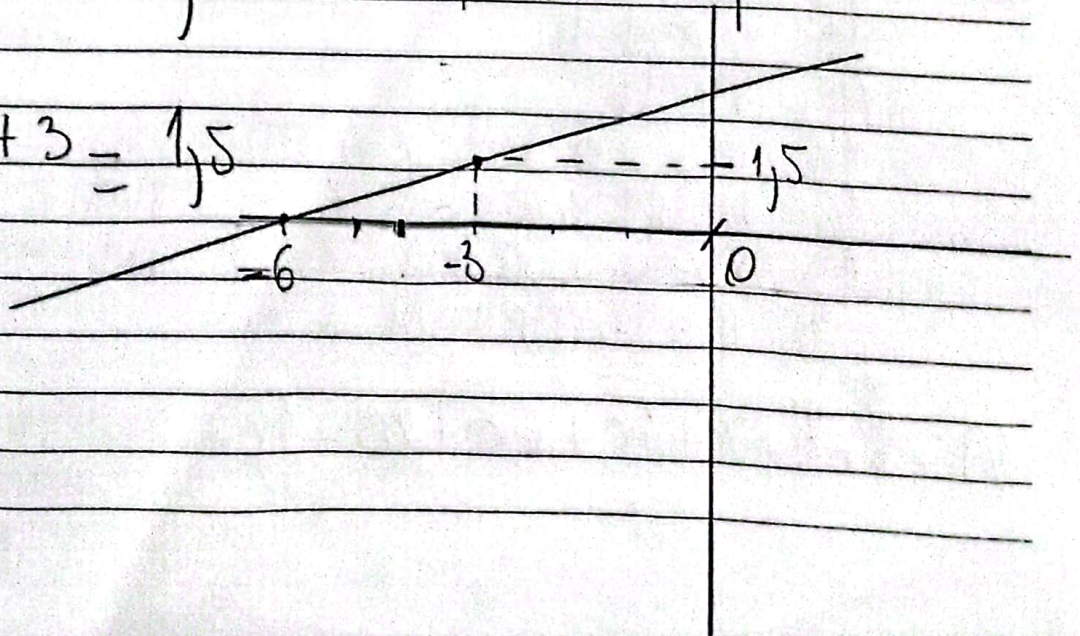
$$\begin{array}{r|l} 2 & 2 \\ \hline 1 & 14 \\ \hline 1 & 2 \\ \hline 1 & 2 \end{array}$$

$$\textcircled{3} \begin{aligned} y &= 0,5x + 3 \\ y &= 0,5x + 3 = 0 \\ 0,5x &= -3 \\ x &= \frac{-3}{0,5} = -6 \end{aligned}$$

x	0,5x + 3	x   y
-3	0,5(-3) + 3	(-3   1,5)
-6	0,5(-6) + 3	(-6   0)

$$(0,5 \cdot -3)$$

$$-1,5 + 3 = 1,5$$



$$R = \{x | x < -3\}$$

⑤  $Y_1 = 50X + 150$  e  $Y_2 = 40X + 180$

$Y_1 = Y_2 \Leftrightarrow 50X + 150 = 40X + 180$   
 $50X - 40X = 180 - 150$

X	$50X + 150$	X, Y
1	$50 \cdot 1 + 150$	1   200
2	$50 \cdot 2 + 150$	2   250
3	$50 \cdot 3 + 150$	3   300

$10X = 30$   
 $X = \frac{30}{10} = X = 3$

X	$40X + 180$	X, Y
1	$40 \cdot 1 + 180$	1   220
2	$40 \cdot 2 + 180$	2   260
3	$40 \cdot 3 + 180$	3   300

$R = \{3, 300\}$

