° Exercícios

$\rightarrow$ angular

287/ $y = ax + b$ (-2, 4/ angular: -3

$y = -3 \cdot -2 + b \mid -b = -4 - 3 \cdot -2$

$-b = 2$ $^{(-2)}$ $\boxed{b = -2}$

$y = -3x + -2$

292/ $y = ax + b$ (-3, 7) angular: $-\frac{1}{2}$

$7 = -0,5 \cdot -3 + b \mid -b = -7 = 0,5 \cdot -3$

$-1 + 0,5$

$-b = -0,5$ $^{(-1)}$ $\boxed{b = 0,5}$

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

183) $y = ax + b$ → Angulas ($-2, 7$) angulas 4

$-2 = 4 \cdot -2 + b$ | $-b = -2 + 4 \cdot -2$

$-b = +2 - 8$

$-b = -6 \, (\cdot)$

$\boxed{b = 6}$

$y = 4x + 6$

184) $y = ax + b$ ($-3, -2$) angulas $= -3$

$-2 = -3 \cdot -3 + b$ | $-b = +2 + 9$

$-b = 70 \, (\cdot)$ $b = -70$

$y = -3x - 70$

188) H = Homem M = Mulher X = valor mula

$$f(x) = H \cdot x \cdot 2 + m \cdot x \cdot 3$$

189)

$$V_J \cdot J = V_H \cdot J_H$$

$$V_J = 660 \qquad 660 \cdot J = 275 \cdot (J_H + 7)$$

$$V_H = 275 \qquad 660 \cdot J = 275 \cdot J + 1925$$

$$J_H = J + 7 \qquad 660 \cdot J - 275 \cdot J = 1925$$

$$385 \cdot J = 1925$$

$$S_H \cdot 660 = 3300 \, km \qquad J = \frac{1925}{385} = S_H$$

190)

D$ 2,180/Hora

190)

R$ 2,800/Hora

$$\frac{R\$ 2,720/Hora}{80/Hora}$$

20 - 770

$$100 \geq 78 \quad v \, R\$ \, 27,20$$

$$100 \to R\$ 27,20 \quad \overset{10}{} \qquad \frac{80}{70} = 1$$

$$10 \to R\$ 8$$

10 menor de 78 ganham R$8/Hora

191) $P = S \cdot J = 5 \cdot 4$ | $S = 150 \cdot \frac{3}{2} = 225$

$$R = S \cdot J = 5 \cdot \frac{70}{3} \qquad 225 \cdot 4 = R\$900$$

$$R = R_{\$} = 750 \qquad \frac{900}{70} = R\$90$$

$$4S - \frac{20S}{3} = 750$$

190)

192)

a= 18

b=

c=

Jé o menor numero de
voltas que C precisa dar.

193)

$$72m = 75m - 75$$

$$75m - 72m = 75$$

$$3m = 75$$

$$m = 25$$

Depois de 25 voltas

296)

a) $y = 7 + 5x$ $x = 2$ $y = 7 + 5 \cdot 2$
$$y = 17$$

X aumenta e y também
logo é crescente:

b) $y = -3 - 2x$ $x = 2$ $y = -3 - 2 \cdot 2$
$$y = -7$$

X aumenta e y diminui:
logo é decrescente

c) $y = x + 2$ $x 2$ $y = 2 + 2$ $y = 4$

X aumenta e y

então é crescente!

d) $y = 3 - x$ $x = 2$ $y = 3 - 2$ $y = 7$

X diminui e y então decrescente!

° Sinal da função algum

2001

a) $y = 2x + 3 \rightarrow x$ positivo
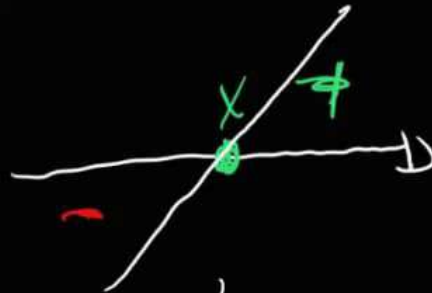
b) $y = -3x + 2 \rightarrow x$ negativo
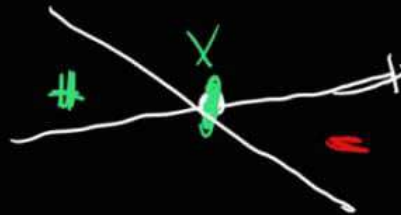
c) $y = 4 = x \rightarrow x$ negativo

d) $y = 5 + x \rightarrow x$ positivo

2001

202)

$$\ell e(x) = \frac{3x - 1}{2}$$

$$S = \left\{ x \in \mathbb{R} \ / \ x \leq 2 \right\}$$

203)

$$\ell(x) = \frac{3}{3} - \frac{x}{2}$$

$$S = \left\{ x \in \mathbb{R} \ / \ x > 1 \right\}$$

205)

$$a = x > 2$$

$$b = x \geq 0$$