

Suora - Lineaarinen malli

$$y = \underline{k}x + b$$

$$k = \frac{\Delta y}{\Delta x} = \frac{y_2 - y_1}{x_2 - x_1}$$

esim. (x_1, y_1) ja (x_2, y_2)
 $(-1, 3)$ ja $(1, -5)$

$$k = \frac{-5 - 3}{1 - (-1)} = \frac{-8}{2} = -4$$

sijoitetaan

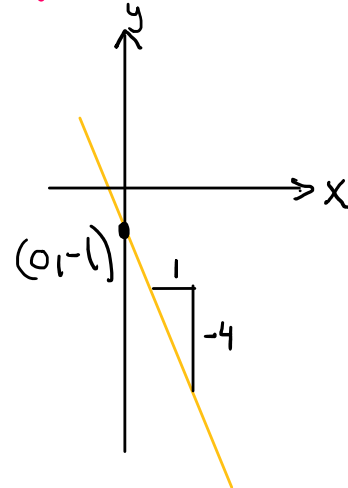
$$3 = -4 \cdot (-1) + b$$

$$3 = 4 + b$$

$$3 - 4 = b$$

$$b = -1$$

$$\underline{y = -4x - 1}$$



(k5)

$$f(x) = 39x + 13$$

$$b) f(1,8) = 39 \cdot 1,8 + 13 = 83,2$$

$$\begin{array}{l} 39 \cdot 1,8 + 13 \\ = 83,2 \end{array}$$

$$c) f(x) = 122,20$$

$$39x + 13 = 122,20$$

$$39x = 122,20 - 13$$

$$39x = 109,20$$

$$x = 2,8$$

$$\begin{array}{l} 109,20 / 39 \\ = 2,8 \end{array}$$

(k9)

	A	B
1	Aika (s)	Nopeus (m/s)
2	2	18.4
3	5	20.3
4	10	22.6
5	15	25.2
6	20	27.7
7	25	30.5
8	30	33.2
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