

$$b) \text{ bense logurise: } q(x) = 55 - 0,049x = 0$$

$$\Rightarrow 55 = 0,049x \quad | : 0,049$$

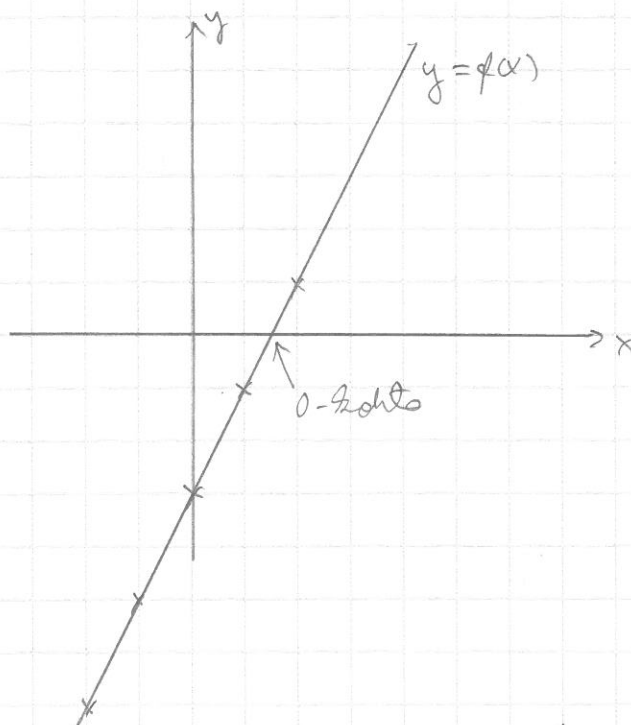
$$\Rightarrow x = \frac{55 \text{ k}}{0,049 \frac{\text{k}}{\text{km}}} = 1122,45 \text{ km} = \underline{1120 \text{ km}}$$

11. Funktion kineaja

Esim. Piirra funktsion $q(x) = 2x - 3$ kineaja ja määrita funktsion f 0-kohta.

Ratk.

x	$y = q(x) = 2x - 3$
-2	$2 \cdot (-2) - 3 = -7$
-1	$2 \cdot (-1) - 3 = -5$
0	$2 \cdot 0 - 3 = -3$
1	$2 \cdot 1 - 3 = -1$
2	$2 \cdot 2 - 3 = 1$



Funktsion q 0-kohta: $q(x) = 2x - 3 = 0 \Rightarrow 2x = 3 \quad | : 2 \Rightarrow x = \underline{\frac{3}{2}}$

11.3, 5, 13

11.3 a) $q(-1) = 0$

b) $q(0) = 3$

c) $q(x) = 0 \Rightarrow x = -2 \text{ tai } x = -1 \text{ tai } x = 3$

d) $q(x) = 6 \Rightarrow x = -3 \text{ tai } x = 1 \text{ tai } x = 2$

11.6 a) $q(x) > 0 \Rightarrow -3 < x < -1 \text{ tai } x > 4$

12. Prosentti

$$1\% = \frac{1}{100} = 0,01$$

Esim. $23\% = \frac{23}{100} = 0,23$

$$16 = \frac{1600}{100} = 1600\%$$