

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

$$\frac{x+1}{3+1} = \frac{y-2}{-4-2}$$

~~$$\frac{x+1}{4} = \frac{y-2}{-6}$$~~

$$\begin{aligned} -6x - 6 &= 4y - 8 \\ 4y &= -6x - 6 + 8 \\ 4y &= -6x + 2 \\ y &= \frac{-6x + 2}{4} \quad (\text{function of the graphic}) \end{aligned}$$

Home work (Week 2) (approx. 1 hour)

① $S = 5 + 9 + 13 + \dots + 89$
 $d = 4$ (difference)
 $a_1 = 5$

$$a_h = a_1 + (h-1) \cdot d$$

$$S_h = \frac{2a_1 + (h-1) \cdot d}{2} \cdot h$$

$$89 = 5 + (h-1) \cdot 4$$

$$89 = 5 + 4h - 4$$

$$89 = 1 + 4h \rightarrow$$

$$\Rightarrow 4h = 88$$

$$h = 22 \quad \checkmark$$

from 5 till 89 = 22 numbers