

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

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

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

$$-6x - 6 = 4y - 8$$

$$4y = -6x - 6 + 8$$

$$4y = -6x + 2$$

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

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

$$\textcircled{1} \quad S = 5 + 9 + 13 + \dots + 89$$

$$d = 4 \quad (\text{difference})$$

$$a_1 = 5$$

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

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

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

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

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

$$\rightarrow 4h = 88$$

$$(h = 22) \text{ ok}$$

from 5 till 89 = 22 numbers