

### 40. Hausübung

$$341 c) A = (3|2) \quad B = (6|4)$$

$$k = \frac{4-2}{6-3} = \frac{2}{3}$$

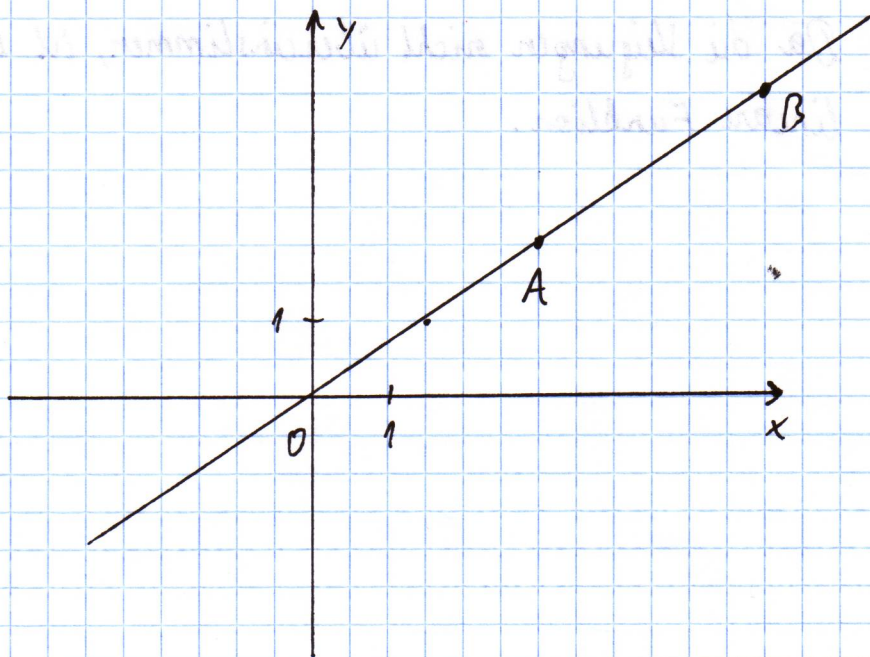
$$2 = \frac{2}{3} \cdot 3 + d$$

$$2 = 2 + d$$

$$d = 0$$

$$\underline{\underline{f(x) = \frac{2}{3}x}}$$

(dir. prop.)



$$341 \text{ a)} \quad A = (0|4) \quad B = (5|0)$$

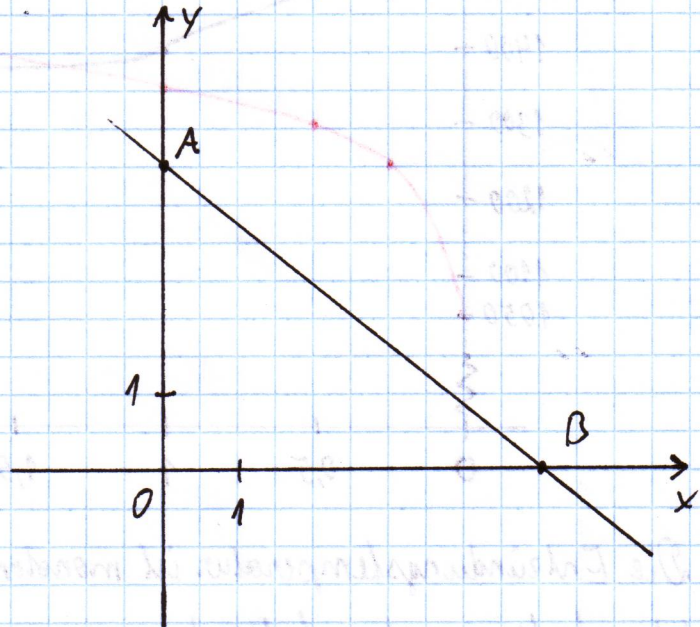
$\Downarrow$

$$d = 4$$

$$k = \frac{0-4}{5-0} = -0,8$$

$$\underline{\underline{f(x) = -0,8x + 4}}$$

(keine dir. Prop.)



$$342 \text{ b)} \quad A = (0|0) \quad B = (1|2) \quad C = (2|4) \quad D = (4|2)$$

$$k_1 = \frac{2}{1} = \underline{\underline{2}}$$

$$k_2 = \frac{2}{1} = \underline{\underline{2}}$$

$$k = \frac{3}{2} = \underline{\underline{1,5}}$$

Da die Steigungen nicht übereinstimmen, ist es keine lineare Funktion.