

$$1) \frac{y - y_1}{x - x_1} = \frac{y_2 - y_1}{x_2 - x_1}$$

$$\frac{y - 12}{x - 0} = \frac{8 - 12}{-5 - 0} \quad | \cdot (x - 0)$$

$$y - 12 = +\frac{4}{5} \cdot (x - 0) \quad (4)$$

$$y - 12 = +\frac{4}{5}x \quad | +12$$

$$\underline{y = +\frac{4}{5}x + 12} \quad (L)$$

$$2) \frac{y - y_1}{x - x_1} = m$$

$$\frac{y + 1,5}{x - 4,5} = -\frac{2}{3} \quad | \cdot (x - 4,5)$$

$$y + 1,5 = -\frac{2}{3} \cdot (x - 4,5)$$

$$y + 1,5 = -\frac{2}{3}x + 3 \quad | -1,5$$

$$\underline{y = -\frac{2}{3}x + 1,5} \quad \checkmark$$

$$3) -0,5x + 3,5 = x - 1 \quad | -x$$

$$-1,5x + 3,5 = -1 \quad | -3,5$$

$$-1,5x = -4,5 \quad | :(-1,5)$$

$$\underline{x = 3} \quad \checkmark$$

$$\underline{y = -0,5 \cdot 3 + 3,5 = 2} \quad \checkmark$$

$$\underline{S(3/2)} \quad \checkmark$$

$$4) \boxed{y = 3,60 \cdot x} \quad \checkmark$$

$$y = 3,60 \cdot 1,50$$

$$\underline{y = 5,4} \quad \checkmark$$

$$y = 3,60 \cdot 5,75$$

$$\underline{y = 20,7} \quad \checkmark$$

$$8 = 3,60x \quad | :3,60$$

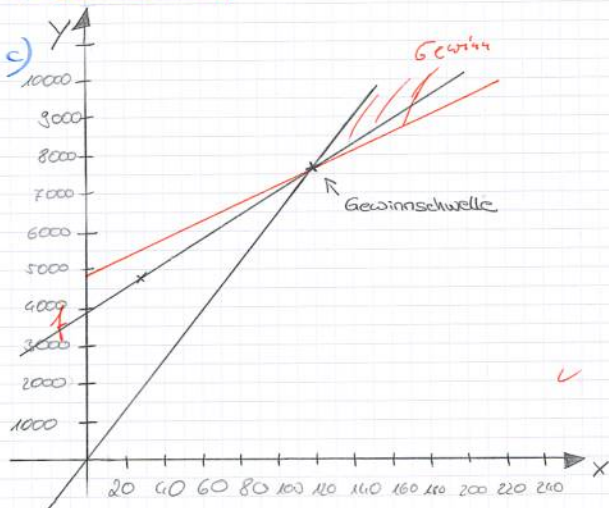
$$\underline{x = 2,2\bar{2}} \quad \checkmark$$

$$14 = 3,60x \quad | :3,60$$

$$\underline{x = 3,8\bar{8}} \quad \checkmark$$

5) a) $y = 24 \cdot x + 4800$ ✓

b) $y = 64 \cdot x$ ✓



d) $64x = 24x + 4800 \quad | -24x$
 $40x = 4800 \quad | :40$
 $x = 120$ ✓

$y = 64 \cdot 120 = 7.680$

$S^1 (120/7.680)$ ✓