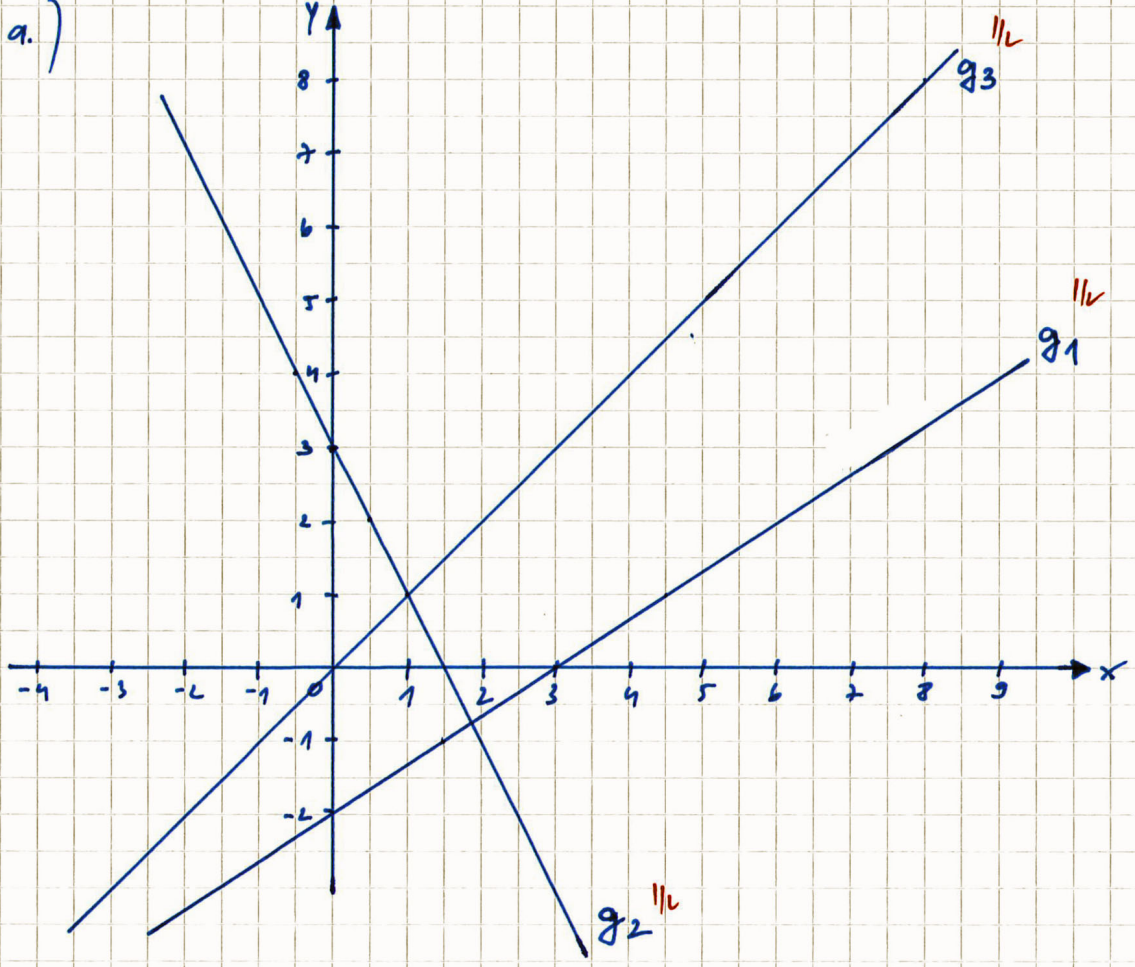


1.

a.)



4

b.)

$$\begin{aligned}
 0 &= \frac{2x}{3} - 2 && | \cdot 3 \\
 0 &= 2x - 6 && | +6 \\
 6 &= 2x && | :2 \\
 \underline{3} &= x && \text{||}
 \end{aligned}$$

$$\Rightarrow \underline{\underline{P(3|0) \text{||}}}$$

c.)

$$\begin{aligned}
 \frac{2x}{3} - 2 &= -2x + 3 && | \cdot 3 \\
 2x - 6 &= -6x + 9 && | +6x \\
 8x - 6 &= 9 && | +6 \\
 8x &= 15 && | :8
 \end{aligned}$$

$$x = \frac{15}{8} \text{||}$$

$$\Rightarrow \underline{\underline{S\left(\frac{15}{8} \mid -\frac{3}{4}\right) \text{||}}}$$

$$y = \frac{2x}{3} - 2 = \frac{2 \cdot \frac{15}{8}}{3} - 2 = \underline{\underline{-\frac{2}{4} \text{||}}}$$

2. a.)  $y = -\frac{7}{3} \cdot x \pm ?$

$$\Rightarrow -1 = -\frac{7}{3} \cdot 5$$

$$-\frac{3}{3} = -\frac{35}{3} + \frac{32}{3}$$

$2\frac{1}{2}$

$$\Rightarrow \underline{\underline{y = -\frac{7}{3} \cdot x + \frac{32}{3} \quad | \quad 1}}$$

b.)  $0 = -\frac{7}{3} \cdot x + \frac{32}{3} \quad | \cdot 3$

$$0 = -7 \cdot x + 32 \quad | +7x$$

$$7x = 32 \quad | :7$$

$$\underline{\underline{x = \frac{32}{7} \quad | \quad 1\frac{1}{2}}}$$

$$\Rightarrow \underline{\underline{P\left(\frac{32}{7} \mid 0\right) \quad | \quad 1\frac{1}{2}}}$$

3. Steigung:  $-\frac{1005}{665} = -\frac{15}{11} \quad | \quad 1\frac{1}{2}$

$$\Rightarrow y = -\frac{15}{11} \cdot x \pm ?$$

$1\frac{1}{2}$

$$\Rightarrow 55 = -\frac{15}{11} \cdot (-35) = \frac{175}{3} = 58\frac{1}{3} \quad \left(-3\frac{1}{3}\right)$$

$$\Rightarrow \underline{\underline{y = -\frac{15}{11} \cdot x - 3\frac{1}{3} \quad | \quad 1}}$$

4.  $\underline{\underline{y' = -15x - 80 \quad | \quad 1}}$

5. Steigung:  $\frac{5}{8}$

$$\Rightarrow y = \frac{5}{8} \cdot x \pm ?$$

$$\Rightarrow 4 = \frac{5}{8} \cdot 4 = \frac{20}{8}$$

$$\frac{8}{2} = \frac{2}{4} + \frac{2}{2}$$

$$\Rightarrow \underline{\underline{y = \frac{5}{8} \cdot x + \frac{2}{2} \quad | \quad 1}}$$

		+4	+4	+4	(+4)	
x	-4	0	4	8		
y	-1	1,5	4	6,5		
		+2,5	+2,5	+2,5	(+2,5)	

$\frac{2,5}{4} = \frac{5}{8}$

1

~~No Plate~~