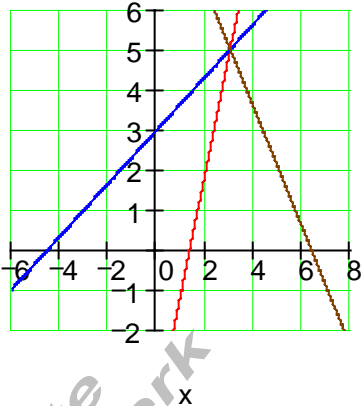


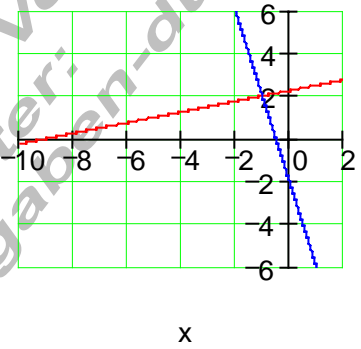
Lösungen lineare Funktionen Teil XIV

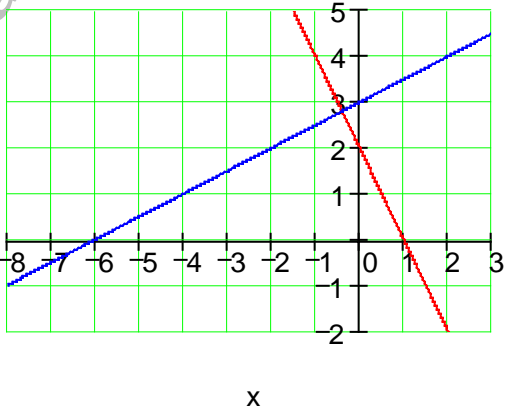
Ergebnisse:

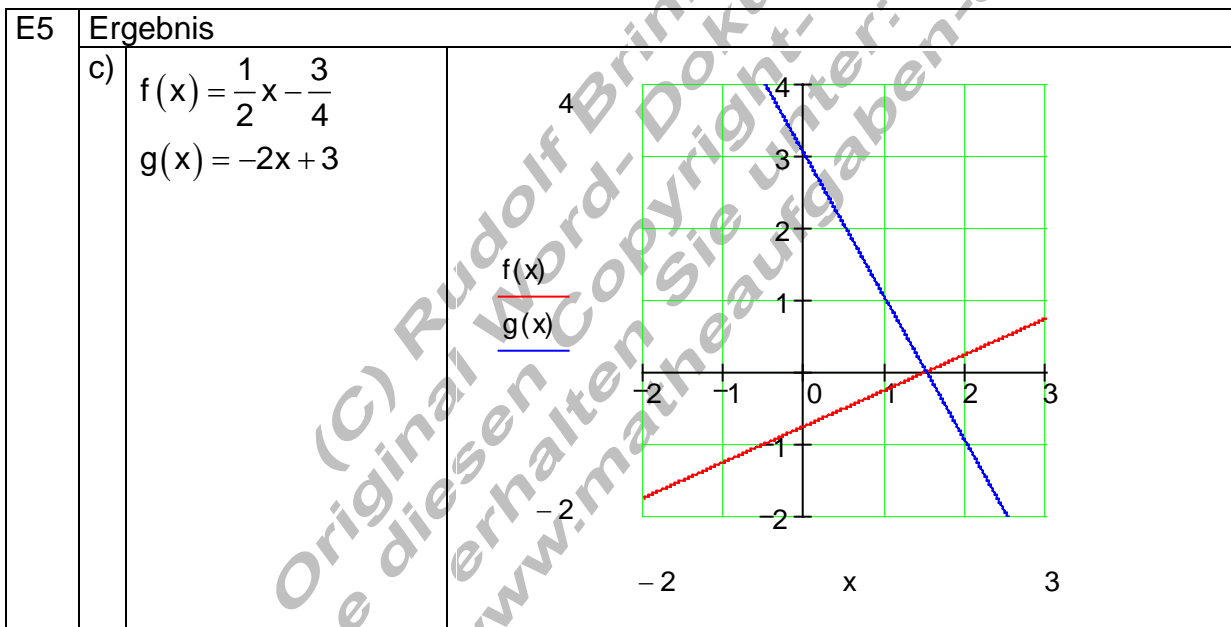
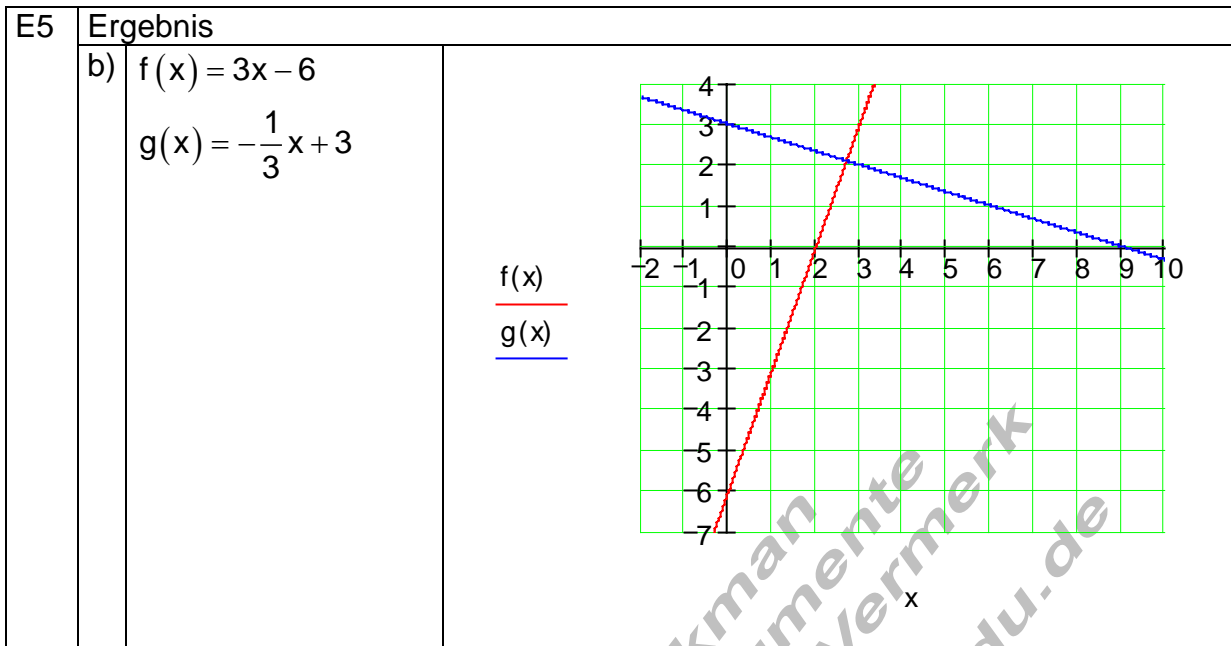
E1	Ergebnisse		c)	
	a)	$A(-8 -6); C(-1 5);$ $D = \{x -8 \leq x \leq 2\}_{\mathbb{R}}$ $m_3 = \frac{11}{7}; f_3(x) = \frac{11}{7}x + \frac{46}{7}$ $m_2 = -2; f_2(x) = -2x + 3$ $m_1 = -\frac{1}{m_2} = \frac{1}{2}; f_1(x) = \frac{1}{2}x - 2$		
	b)	$B(2 -1)$		

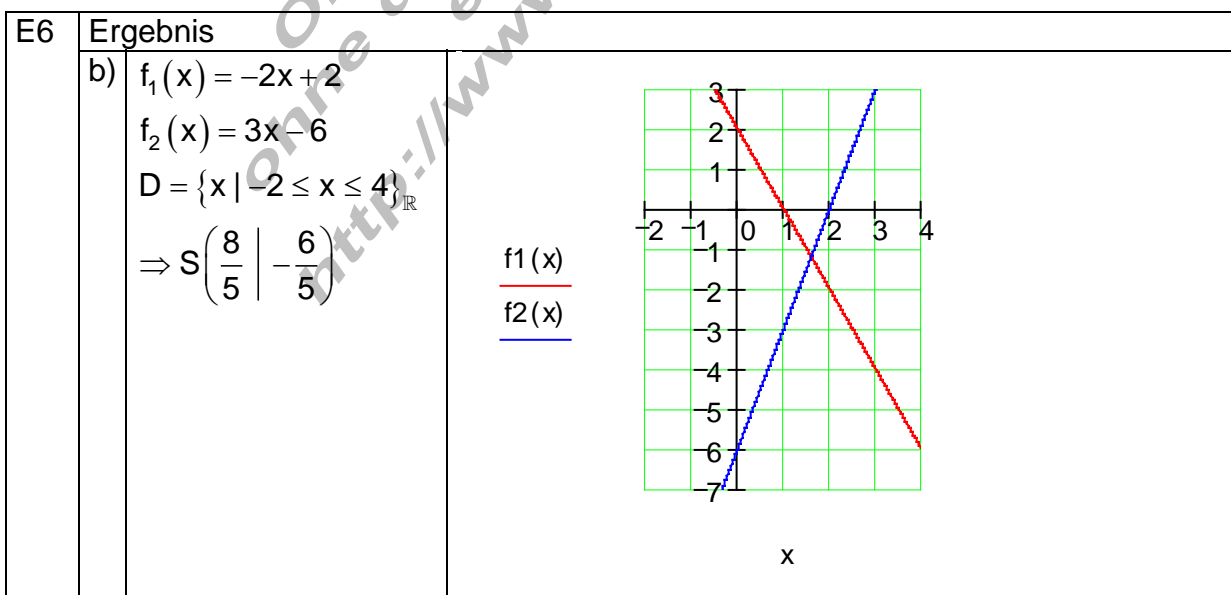
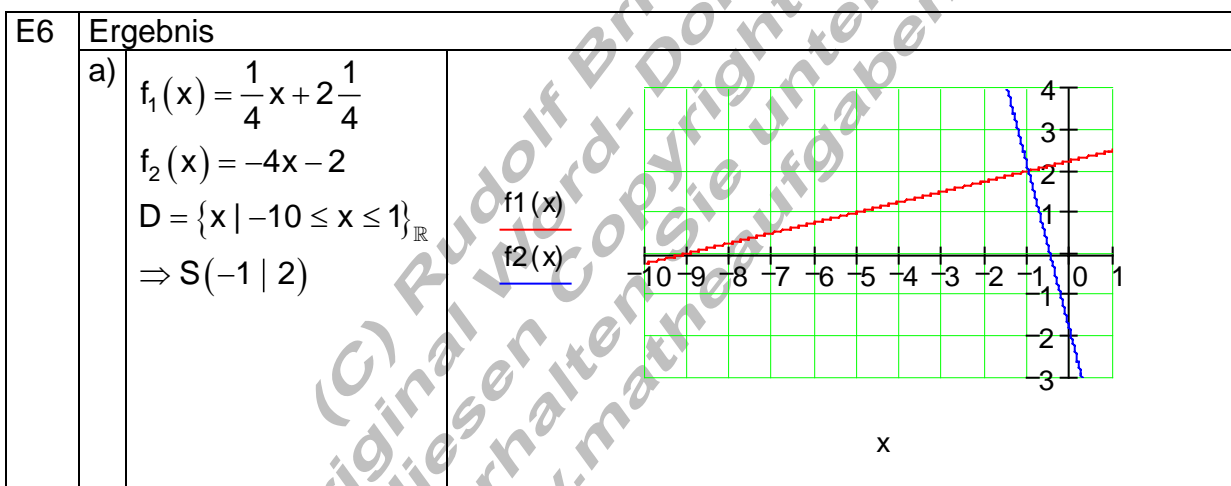
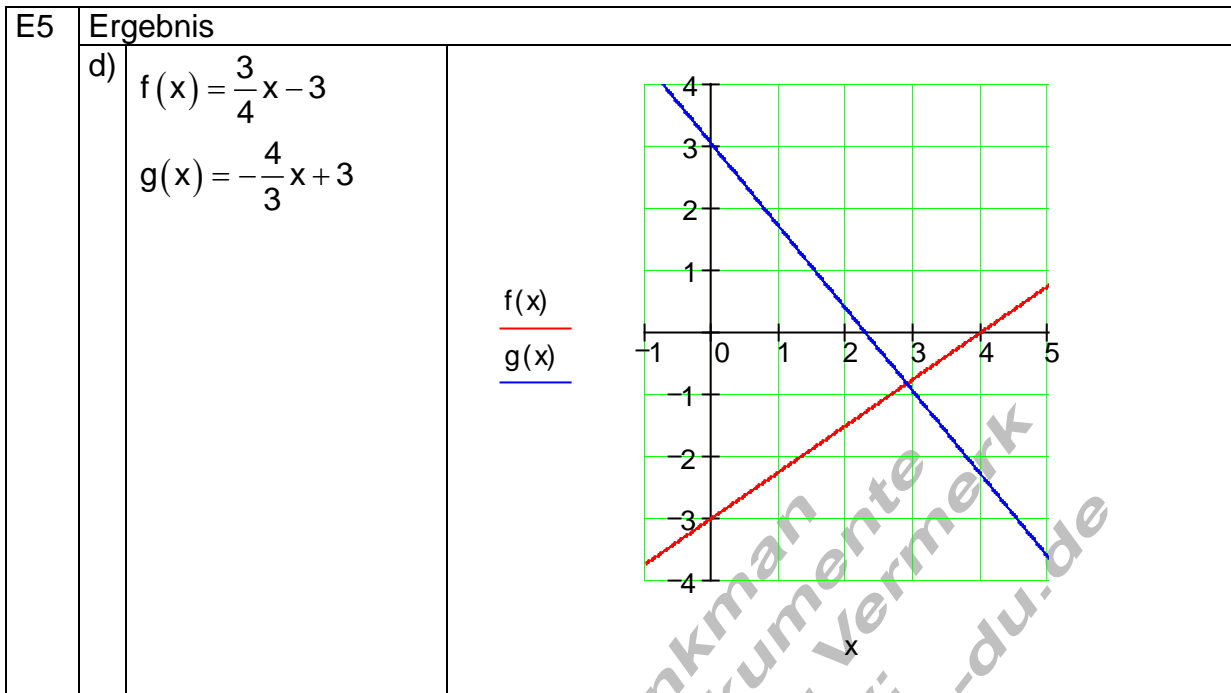
E2	Ergebnisse		e)	
	a)	$A(-4 -1); B(2 -4)$ $D = \{x -4 \leq x \leq 5\}_{\mathbb{R}}$ $m_1 = -\frac{1}{2}; f_1(x) = -\frac{1}{2}x - 3$		
	b)	$m_2 = 4; f_2(x) = 4x - 12$		
	c)	$m_3 = 1; f_3(x) = x + 3$		
	d)	$C(5 8)$		

E3	Ergebnis	
	$f(x) = 3x - 4$ $g(x) = ax + 3$ $S(3 5) \Rightarrow a = \frac{2}{3}$ $g(x) = \frac{2}{3}x + 3$ <hr style="width: 100%;"/> $h(x) = -\frac{3}{2}x + \frac{19}{2}$	<div style="display: flex; align-items: center;"> <div style="margin-right: 10px;"> $f(x)$ <hr style="width: 100%;"/> $g(x)$ <hr style="width: 100%;"/> $h(x)$ <hr style="width: 100%;"/> </div>  </div>

E4	Ergebnisse	
	<p>a) $f_1(x) = \frac{1}{4}x + \frac{9}{4}; f_2(x) = -4x - 2;$ $D = \{x -10 \leq x \leq 1\}_{\mathbb{R}}$ $\Rightarrow S(-1 2)$</p> <p>b) $P_{y_1} \left(0 \mid \frac{9}{4} \right); P_{y_2} (0 -2)$</p> <p>c) $P_{x_1}(-9 0); P_{x_2} \left(-\frac{1}{2} \mid 0 \right)$</p>	<p>d)</p> 

E5	Ergebnis	
	<p>a) $f(x) = -2x + 2$ $g(x) = \frac{1}{2}x + 3$</p> <div style="display: flex; align-items: center;"> <div style="margin-right: 10px;"> $f(x)$ <hr style="width: 100%;"/> $g(x)$ <hr style="width: 100%;"/> </div>  </div>	





E6	Ergebnis c) $f_1(x) = -\frac{2}{3}x + 4$ $f_2(x) = \frac{3}{2}x - 2\frac{1}{2}$ $D = \{x \mid -1 \leq x \leq 7\}_{\mathbb{R}}$ $S(3 \mid 2)$	<div style="display: flex; align-items: center; justify-content: center;"> <div style="margin-right: 20px;"> $\frac{f_1(x)}{f_2(x)}$ </div> </div>
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E6	Ergebnis d) $f_1(x) = -\frac{3}{8}x + 1$ $f_2(x) = \frac{5}{6}x + 5\frac{5}{6}$ $D = \{x \mid -8 \leq x \leq 4\}_{\mathbb{R}}$ $S\left(-4 \mid \frac{5}{2}\right)$	<div style="display: flex; align-items: center; justify-content: center;"> <div style="margin-right: 20px;"> $\frac{f_1(x)}{f_2(x)}$ </div> </div>
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