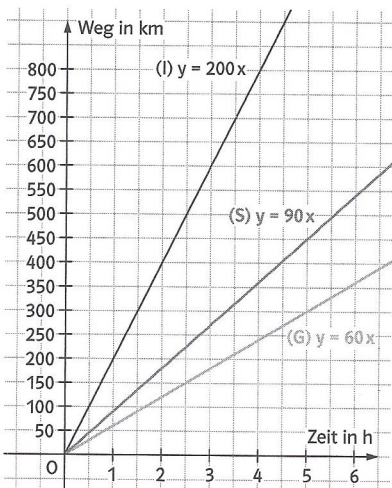


c) ICE (I):  $y = 200x$



**Lineare Funktionen bestimmen, Seite 67**

1 (1) Anzahl der Abzüge Preis in €

(2) Anzahl der Abzüge	$x$	) $\cdot 0,09$ + $1,99$
Preis ohne Versandkosten	$0,09 \cdot x$	
Preis mit Versandkosten	$0,09 \cdot x + 1,99$	

(3)  $y = 0,09 \cdot x + 1,99$

2 36 Abzüge:  $0,09 \cdot 36 + 1,99 = 5,23$  (€)

39 Abzüge:  $0,09 \cdot 39 + 1,99 = 5,50$  (€)

3 a) (1) Volumen Gewicht des Lkws

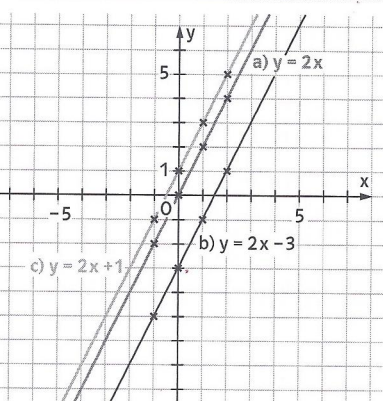
(2) Volumen in $m^3$	$x$	) $\cdot 1,8$ + $7,5$
Gewicht der Ladung	$1,8 \cdot x$	
Gewicht beladener Lkw	$1,8 \cdot x + 7,5$	

(3)  $y = 1,8x + 7,5$

Volumen	$4 m^3$	$2,5 m^3$	$1,5 m^3$
Gewicht Ladung	$7,2 t$	$4,5 t$	$2,7 t$
Gewicht beladener Lkw	$14,7 t$	$12,0 t$	$10,2 t$

4

	$x = 0$	$x = 1$	$x = -1$	$x = 2$
a) $2x$	0	2	-2	4
b) $2x - 3$	-3	-1	-5	1
c) $2x + 1$	1	3	-1	5



1.1  $y = 25x + 15$

Zeit in Tagen	$x$	2	5	8	14
Gebühren in €	$25x + 15$	65	140	215	365

2.1  $y = 18x + 1500$

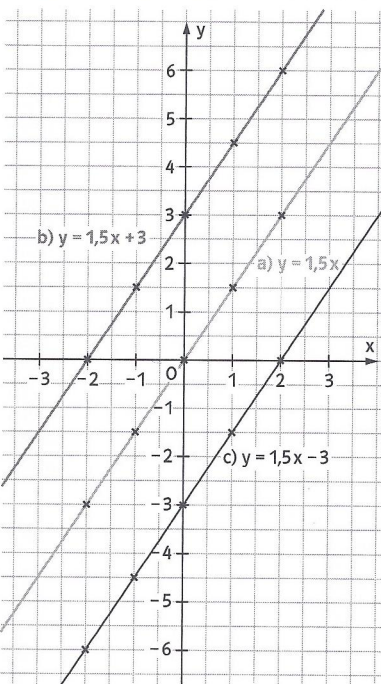
Anzahl	$x$	20	25	40	58
Gewicht in kg	$18x + 1500$	1860	1950	2220	2544

3.1  $y = 20x + 25$

Anzahl	$x$	5	6	8	10
Kosten in €	$20x + 25$	125	145	185	225

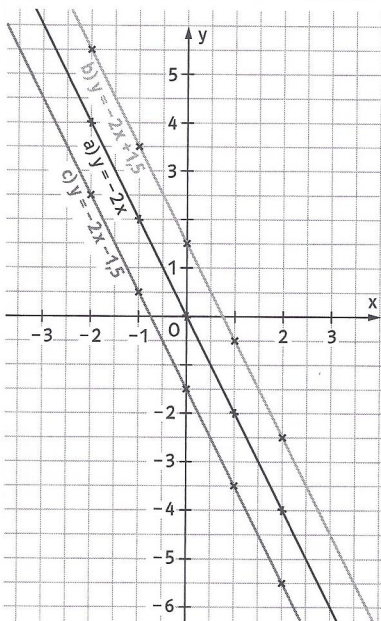
4.1

$x$	0	1	-1	2	-2
a) $1,5x$	0	1,5	-1,5	3	-3
b) $1,5x + 3$	3	4,5	1,5	6	0
c) $1,5x - 3$	-3	-1,5	-4,5	0	-6



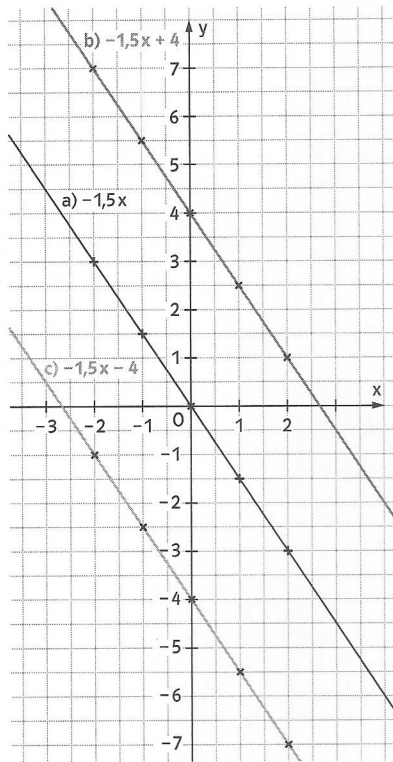
4.2

$x$	0	1	-1	2	-2
a) $-2x$	0	-2	2	-4	4
b) $-2x + 1,5$	1,5	-0,5	3,5	-2,5	5,5
c) $-2x - 1,5$	-1,5	-3,5	0,5	-5,5	2,5



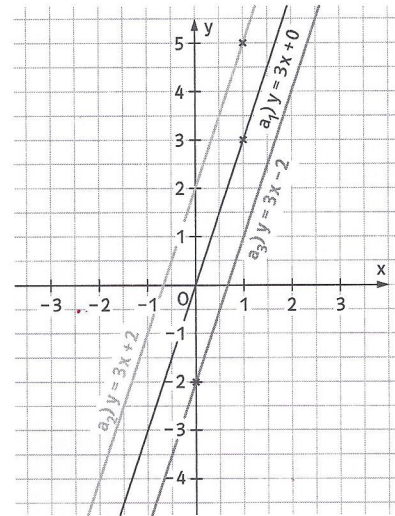
4.3

x	0	1	-1	2	-2
a) $-1,5x$	0	-1,5	1,5	-3	3
b) $-1,5x + 4$	4	2,5	5,5	1	7
c) $-1,5x - 4$	-4	-5,5	-2,5	-7	-1

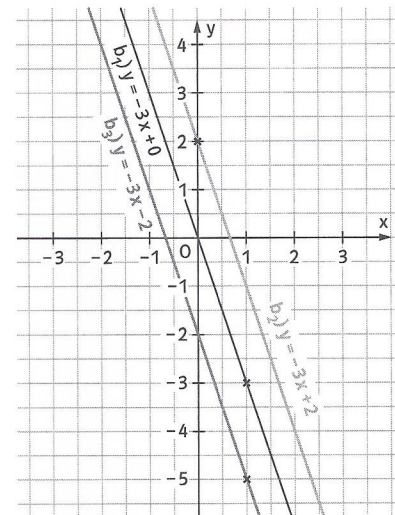


c)  $m = -\frac{3}{2}$ ;  $y = -\frac{3}{2}x - 2$   
 $m = 2,5$ ;  $y = 2,5x - 2$

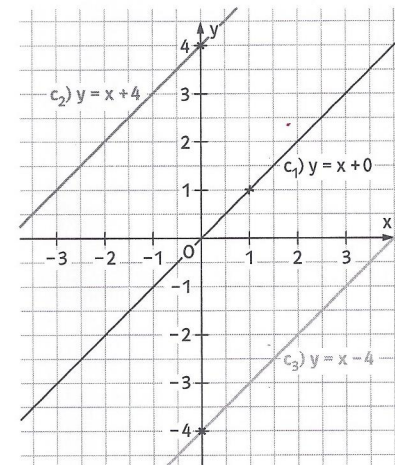
1.1 a)



b)

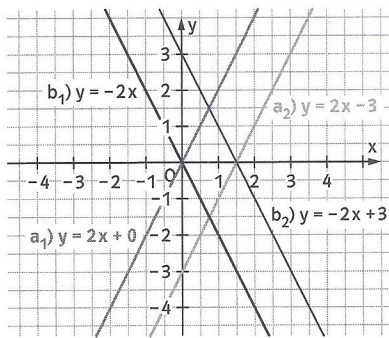


c)



Lineare Funktionen darstellen, Seite 68

1



- 2 a)  $y = 1,5 \cdot x$                       b)  $y = 1,5 \cdot x + 1$   
 c)  $y = 1,5 \cdot x + 2$                     d)  $y = 1,5 \cdot x - 2$
- 3 a)  $y = x + 2$     b)  $y = -2x + 2$     c)  $y = +2$             d)  $y = -\frac{1}{2}x + 2$
- 4 a)  $m = -\frac{3}{2}$ ;  $y = -\frac{3}{2}x$                  $m = 2,5$ ;  $y = 2,5x$   
 b) und c)

