

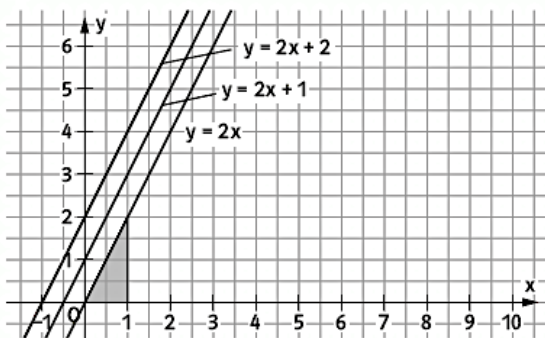
Lösungen Arbeitsaufträge zum Thema Lineare Funktionen

Buch S. 71 Nr. 1

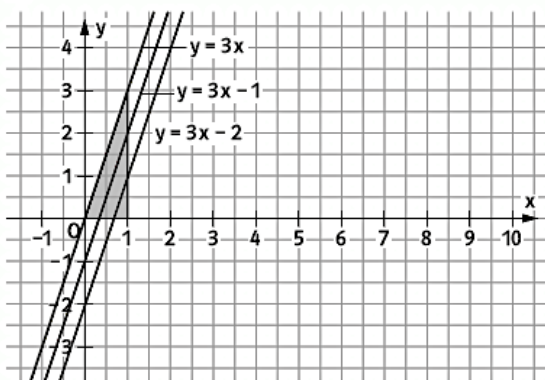
- a) $c = 1; m = 1; y = x + 1$
- b) $c = -1; m = 2; y = 2x - 1$
- c) $c = 3; m = -2; y = -2x + 3$
- d) $c = 2; m = \frac{1}{2}; y = \frac{1}{2}x + 2$

Buch S. 71 Nr. 2

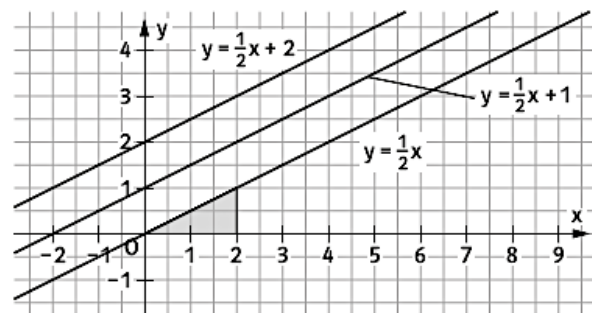
a)



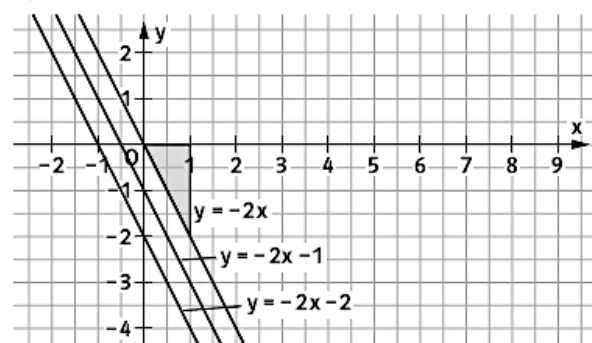
b)



c)



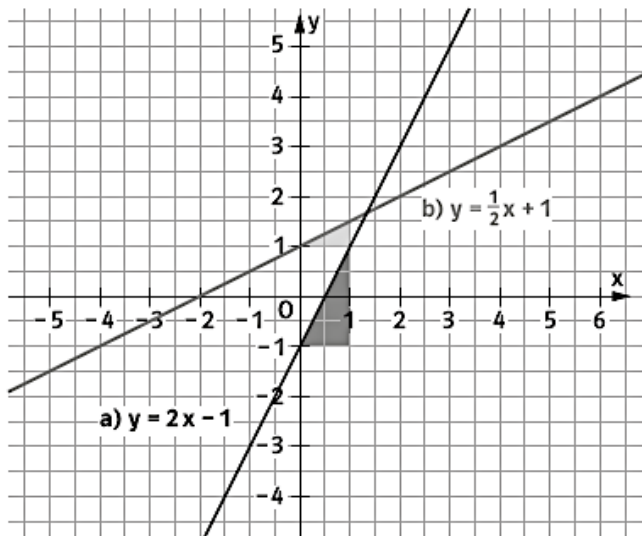
d)



Buch S. 71 Nr. A

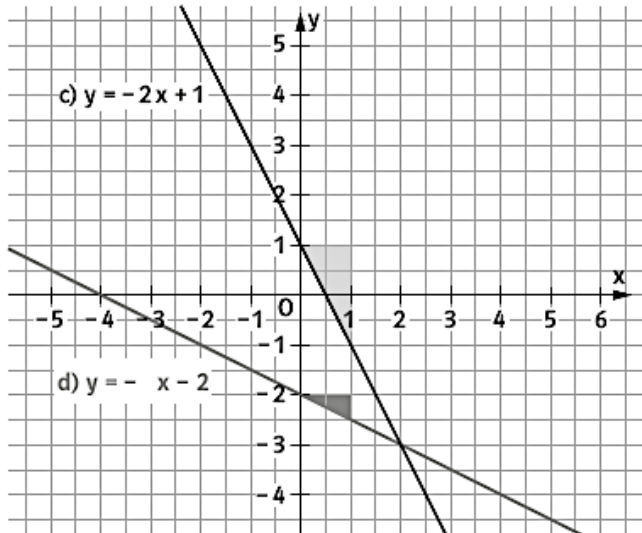
a) $c = -1; m = 2$

b) $c = 1; m = \frac{1}{2}$



c) $c = 1; m = -2$

d) $c = -2; m = -\frac{1}{2}$



Buch S. 71 Nr. B

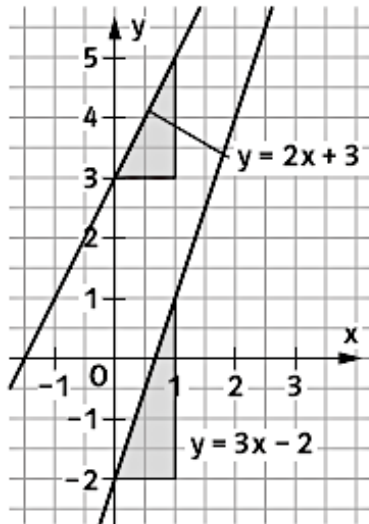
- a) $c = 2; m = \frac{1}{2}$ b) $c = -1; m = 2$
 $f(x) = \frac{1}{2}x + 2$ $f(x) = 2x - 1$
c) $c = -1; m = -1$
 $f(x) = -x - 1$

Buch S. 71 Nr. 4 (orange)

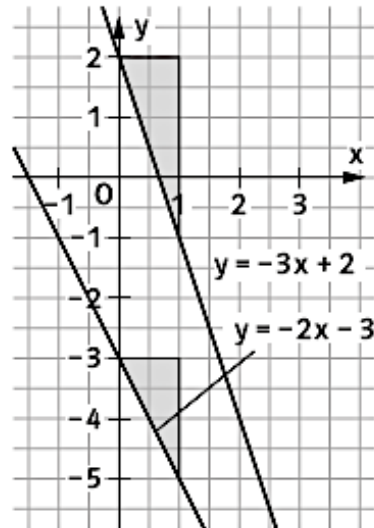
- a) $c = 2; m = 3$ b) $c = 5; m = -2$
c) $c = -1,5; m = -\frac{1}{2}$ d) $c = -8; m = 1$

Buch S. 71 Nr. 5 (orange)

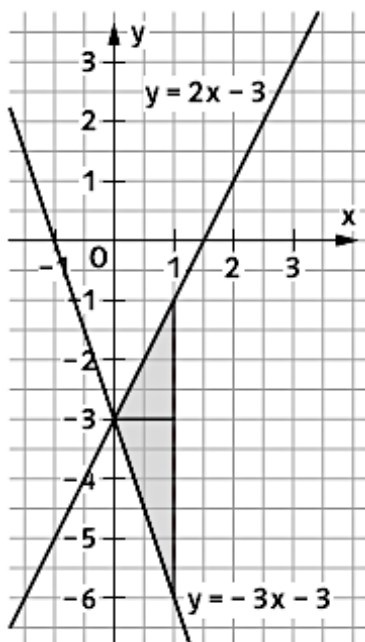
a) und b)



c) und d)



e) und f)



Buch S. 72 Nr. 6 (orange)

$$g_1: y = \frac{1}{2}x - 1$$

$$g_2: y = 3$$

$$g_3: y = 2x + 3$$

$$g_4: y = -\frac{1}{2}x - 1$$

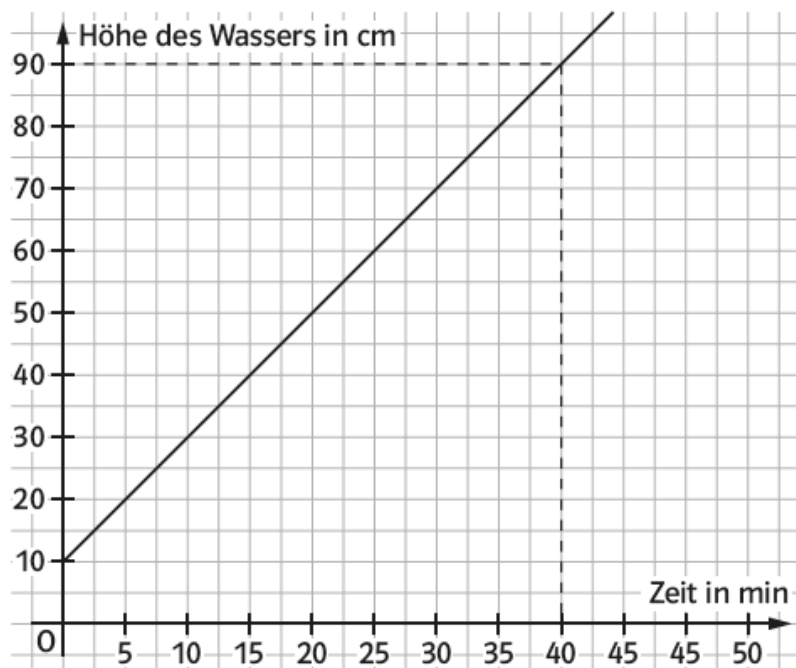
$$g_5: y = -\frac{1}{2}x + 1$$

$$g_6: y = -2x + 4$$

Buch S. 72 Nr. 9 (orange)

x: Zeit in min; y: Wasserhöhe in cm

$$y = 2x + 10$$



Nach 40 Minuten hat das Wasser eine Höhe von 90 cm. Das Aquarium ist also 90 m hoch.