

Antwoorden

Opdracht 11.1

$$V = a^3$$

Opdracht 11.2

$$\omega = \frac{2\pi}{T}$$

Opdracht 11.3

$$P = \frac{U^2}{R}$$

Opdracht 11.4

$$P = I^2 \cdot R$$

Opdracht 11.5

$$p = \frac{F}{l \cdot b}$$

Opdracht 11.6

$$E_k = \frac{1}{2} m \omega^2 r^2$$

Opdracht 11.7

$$F_c = m \omega^2 r$$

Opdracht 11.8

$$A = \pi d^2$$

Opdracht 11.9

$$V = \frac{1}{6} \pi d^3$$

Opdracht 11.10

$$P = I \cdot V$$

Opdracht 11.11

$$a_c = -4\pi^2 f^2 r$$

Opdracht 11.12

$$\text{a. } x = -2 \wedge y = -2$$

$$\text{b. } x = -6 \wedge y = -13$$

$$\text{c. } x = 5 \wedge y = 14$$

$$\text{d. } x = 3 \wedge y = 1$$

Opdracht 11.13

$$\text{a. } (2, 3)$$

$$\text{b. } (2, -1)$$

Opdracht 11.14

$$\text{a. } 100 - x$$

$$\text{b. } x = 10t$$

$$\text{c. } 100 - x = 15t$$

$$\text{d. } x = 40 \text{ (km)}, t = 4 \text{ (h)}$$

Opdracht 11.15

Inhoud € 1,15

Opdracht 11.16

Zijden: $a = 15 \text{ cm}$, $b = 18 \text{ cm}$, $c = 25 \text{ cm}$.

Opdracht 11.17

Zijden: $l = 7,7 \text{ cm}$, $b = 4,3 \text{ cm}$.

Opdracht 11.18

$$\frac{24}{16}$$

Opdracht 11.19

$$\text{a. } a = 2 \wedge b = 3$$

$$\text{b. } a = 1 \wedge b = -1$$

$$\text{c. } a = 3 \wedge b = -2$$

$$\text{d. } a = -1 \wedge b = 2$$

Opdracht 11.20

$$\text{a. } (1, 2)$$

$$\text{b. } (3, 5)$$

Opdracht 11.21

$$(5, 2)$$

Opdracht 11.22

$$a = 1, b = -1$$

Opdracht 11.23

$$\text{a. } y = 2x - 1$$

$$\text{b. } y = -2x + 2$$

$$\text{c. } y = 3x - 10$$

$$\text{d. } y = -4x + 13$$

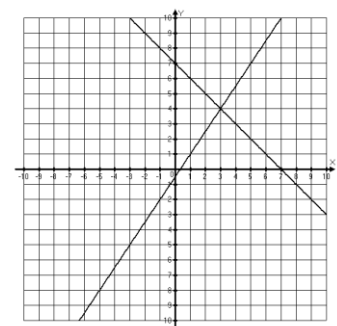
Opdracht 11.24

$$\text{a. } y = 2x + 1$$

$$\text{b. } y = \frac{1}{2}x + 6\frac{1}{2}$$

Opdracht 11.25

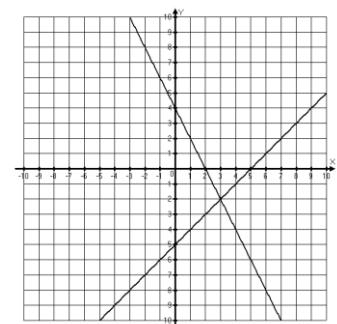
a.



$$\text{b. } (3, 4)$$

Opdracht 11.26

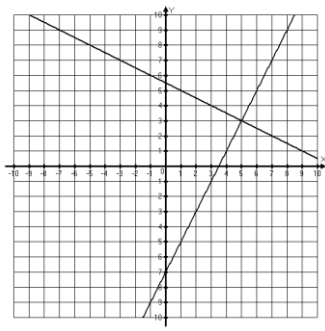
a.



$$\text{b. } (3, -2)$$

Opdracht 11.27

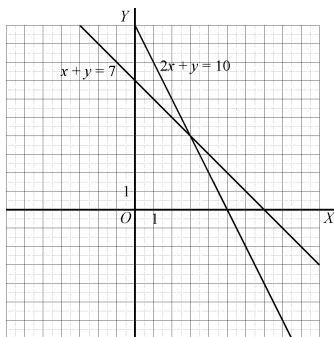
a.



b. (5, 3)

Opdracht 11.28

a.



b. (3, 4)