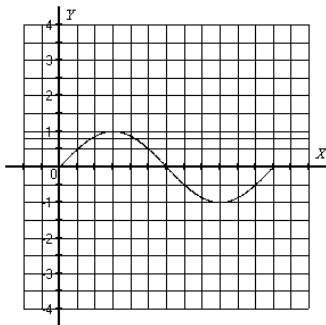


Antwoorden

Opdracht 25.7

a.

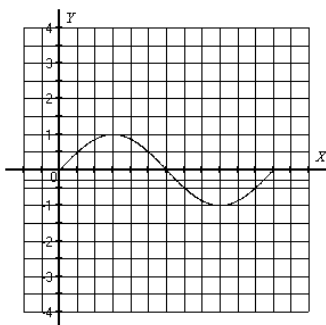


b. $x = 0,3\pi \vee x = 0,7\pi$

c. $\{x \mid 0,3\pi \leq x \leq 0,7\pi\}$

Opdracht 25.8

a.

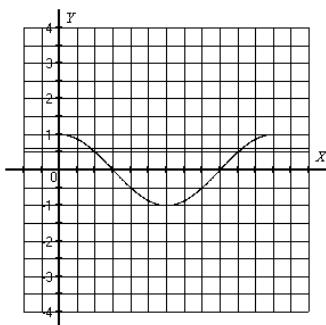


b. $x = 1,1\pi \vee x = 1,9\pi$

c. $\{x \mid 0 \leq x \leq 1,1\pi \vee 1,9\pi \leq x \leq 2\pi\}$

Opdracht 25.9

a.

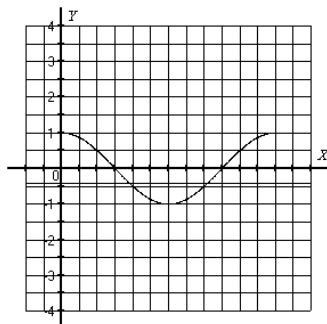


b. $x = 0,3\pi \vee x = 1,7\pi$

c. $\{x \mid 0 \leq x \leq 0,3\pi \vee 1,7\pi \leq x \leq 2\pi\}$

Opdracht 25.10

a.

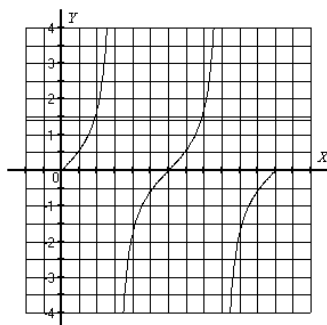


b. $x = 0,6\pi \vee x = 1,4\pi$

c. $\{x \mid 0,6\pi \leq x \leq 1,4\pi\}$

Opdracht 25.11

a.

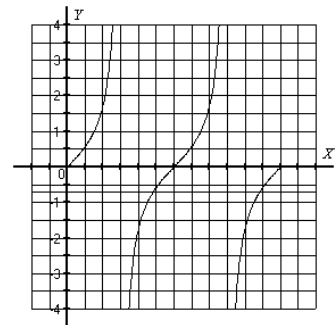


b. $x = 0,3\pi \vee x = 1,3\pi$

c. $\{x \mid 0,3\pi \leq x < 0,5\pi \vee 1,3\pi \leq x < 1,5\pi\}$

Opdracht 25.12

a.

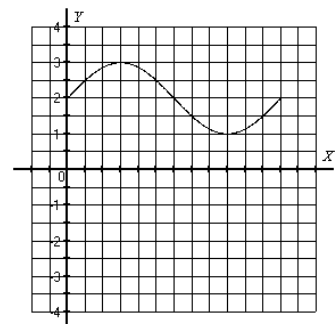


b. $x = 0,8\pi \vee x = 1,8\pi$

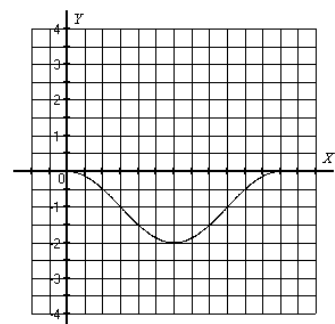
c. $\{x \mid 0,5 < x \leq 0,8\pi \vee 1,5\pi < x \leq 1,8\pi\}$

Opdracht 25.13

a.

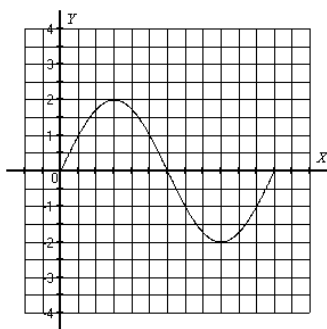


b.

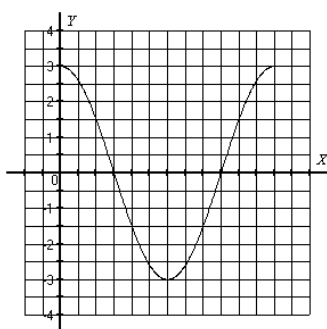


Opdracht 25.14

a.

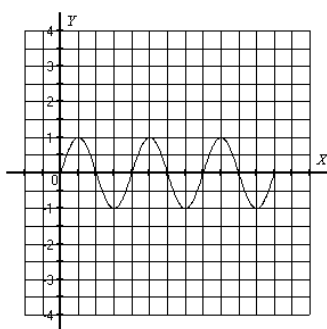


b.

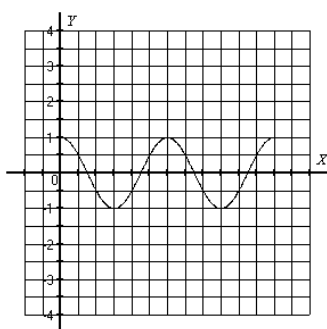


Opdracht 25.16

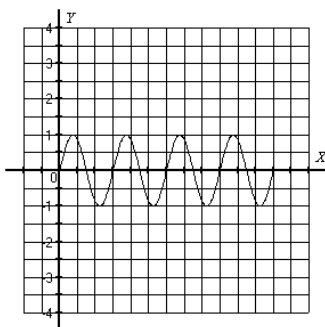
a.



b.

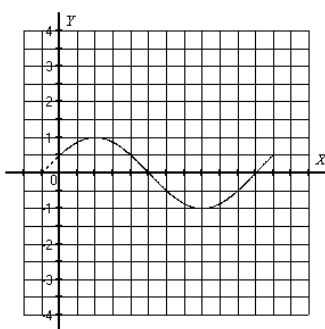


c.

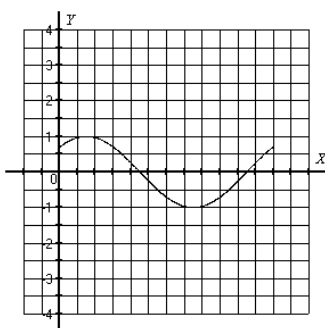


Opdracht 25.17

a.



b.



Opdracht 25.18

a. 3

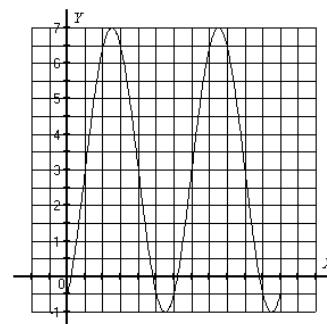
b. 4

c. $[-1, 7]$

d. 2

e. $x = \frac{1}{6}\pi$

f.



$$g. \begin{cases} x = \frac{1}{4}\pi + k \cdot \pi \\ x = \frac{7}{12}\pi + k \cdot \pi \end{cases} \Rightarrow$$

$$x = \frac{1}{4}\pi \vee x = \frac{7}{12}\pi \vee$$

$$x = 1\frac{1}{4}\pi \vee x = 1\frac{7}{12}\pi$$

$$h. [0, \frac{1}{4}\pi] \cup [\frac{7}{12}\pi, 1\frac{1}{4}\pi] \cup [1\frac{7}{12}\pi, 2\pi]$$

Opdracht 25.19

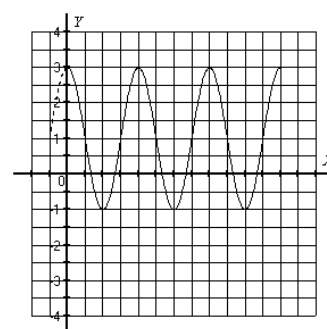
a. $(0, 3)$

$$b. \begin{cases} x = -\frac{2}{9}\pi + k \cdot \frac{2}{3}\pi \\ x = \frac{2}{9}\pi + k \cdot \frac{2}{3}\pi \end{cases} \Rightarrow$$

$$x \in \{\frac{2}{9}\pi, \frac{4}{9}\pi, \frac{8}{9}\pi, 1\frac{1}{9}\pi, 1\frac{5}{9}\pi, 1\frac{7}{9}\pi\}$$

$$c. [-1, 3]$$

d.



$$e. \begin{cases} x = -\frac{1}{9}\pi + k \cdot \frac{2}{3}\pi \\ x = \frac{1}{9}\pi + k \cdot \frac{2}{3}\pi \end{cases} \Rightarrow$$

$$x \in \{\frac{1}{9}\pi, \frac{5}{9}\pi, \frac{7}{9}\pi, 1\frac{2}{9}\pi, 1\frac{4}{9}\pi, 1\frac{8}{9}\pi\}$$

$$f. [0, \frac{1}{9}\pi] \cup [\frac{5}{9}\pi, \frac{7}{9}\pi] \cup [1\frac{2}{9}\pi, 1\frac{4}{9}\pi] \cup [1\frac{8}{9}\pi, 2\pi]$$

Opdracht 25.20

