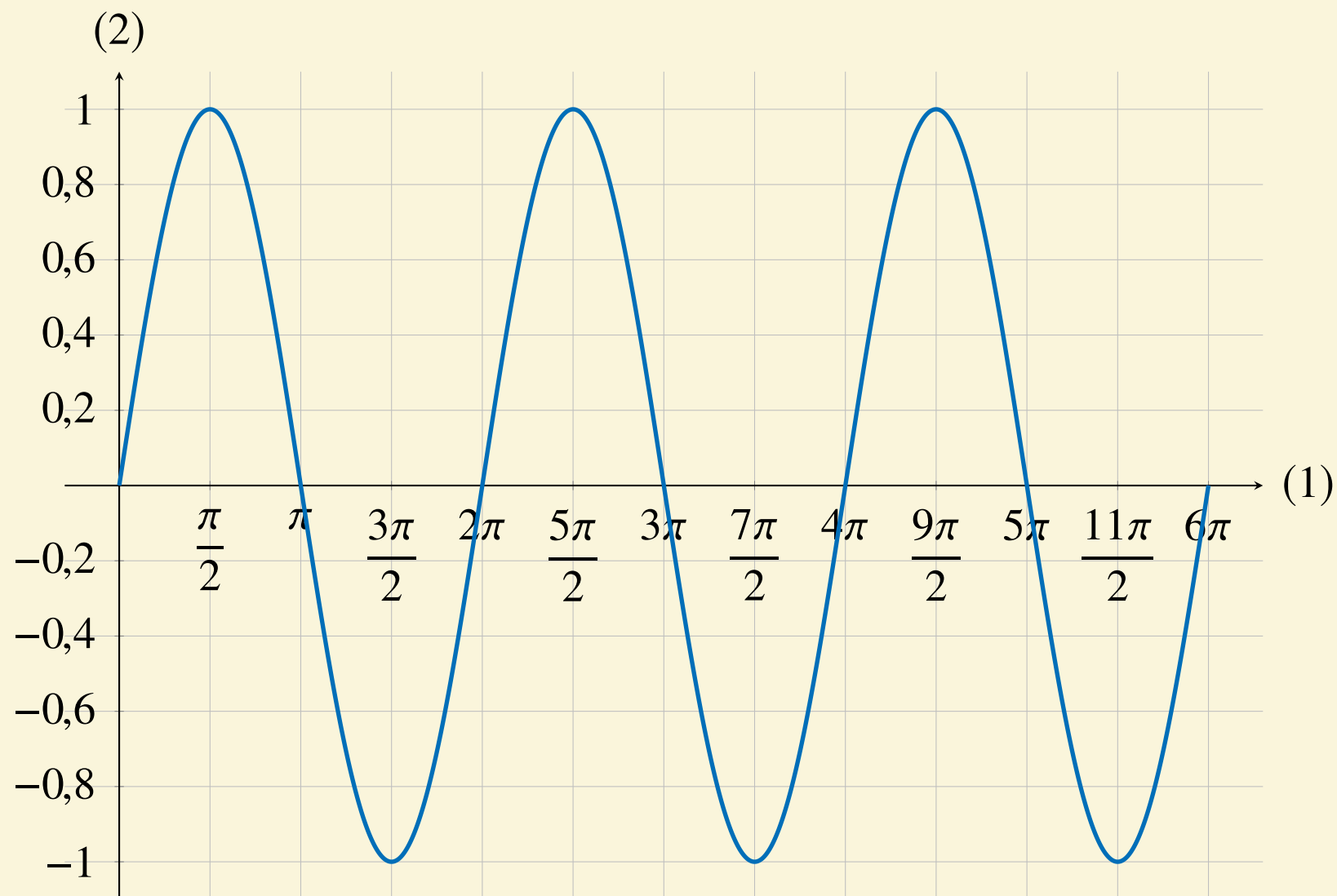


$$f(x) = \sin(x)$$

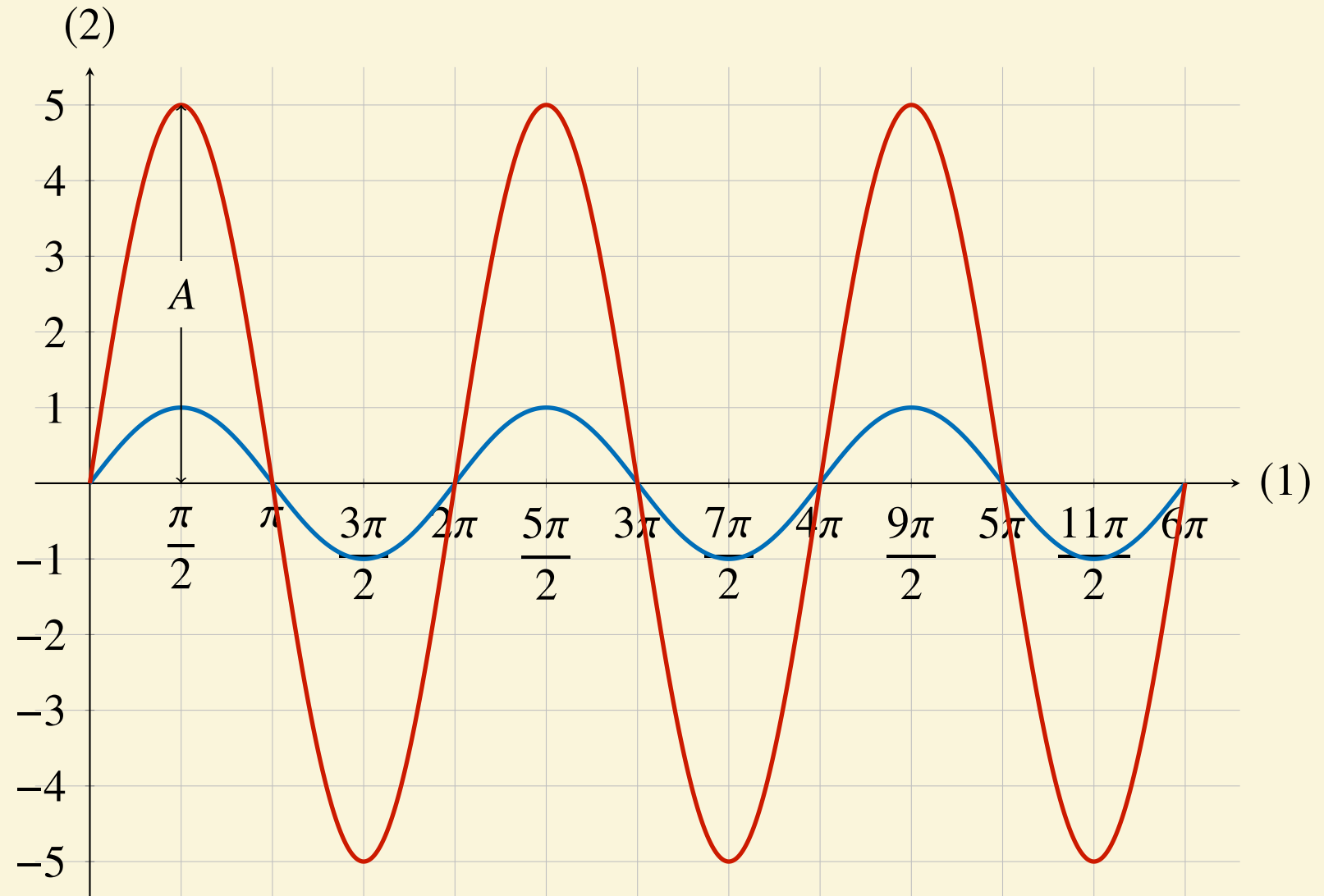


Sinus - Amplitude

12. september 2017

$$f(x) = A \cdot \sin(x)$$

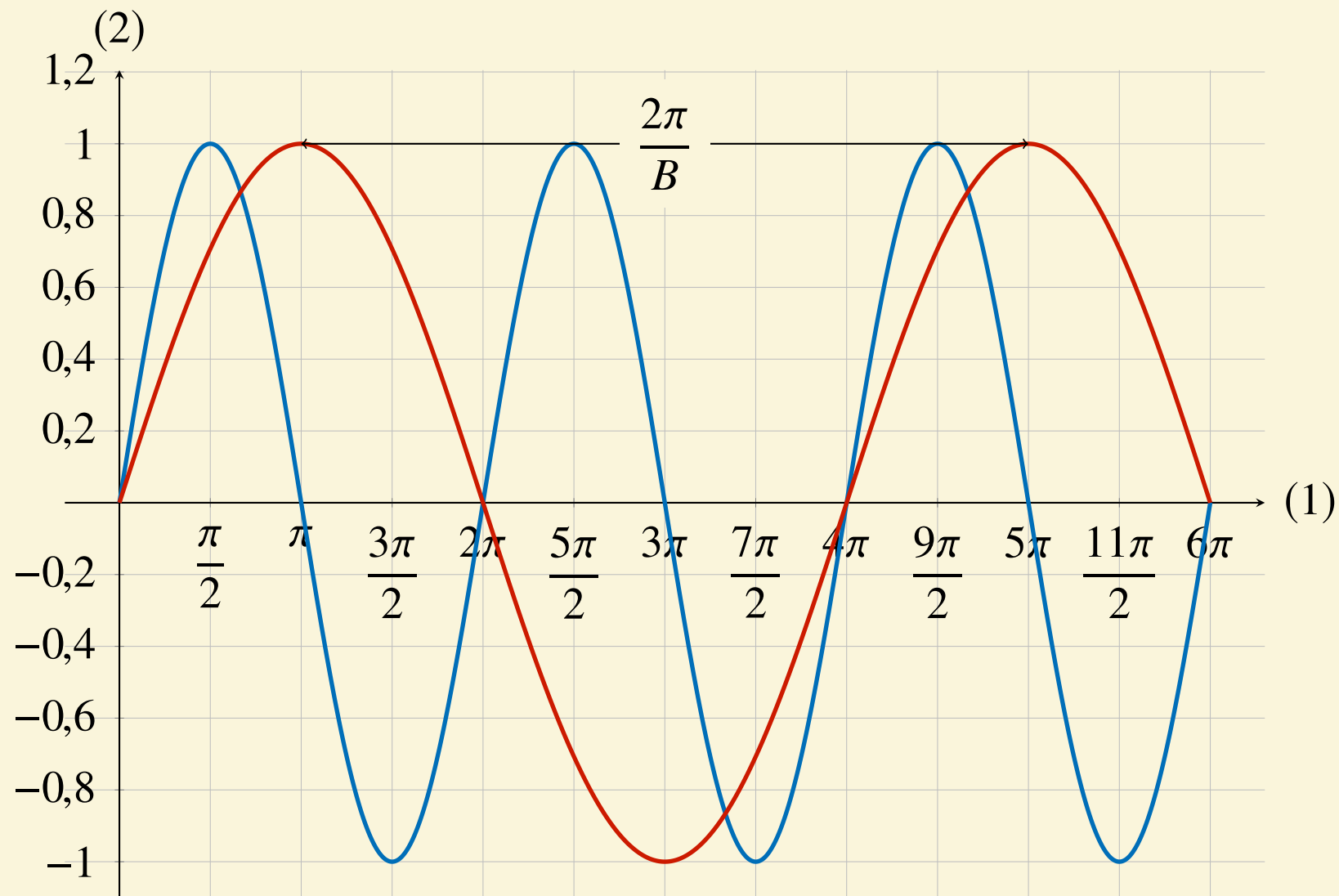
Amplituden er A



$$f(x) = \sin(B \cdot x)$$

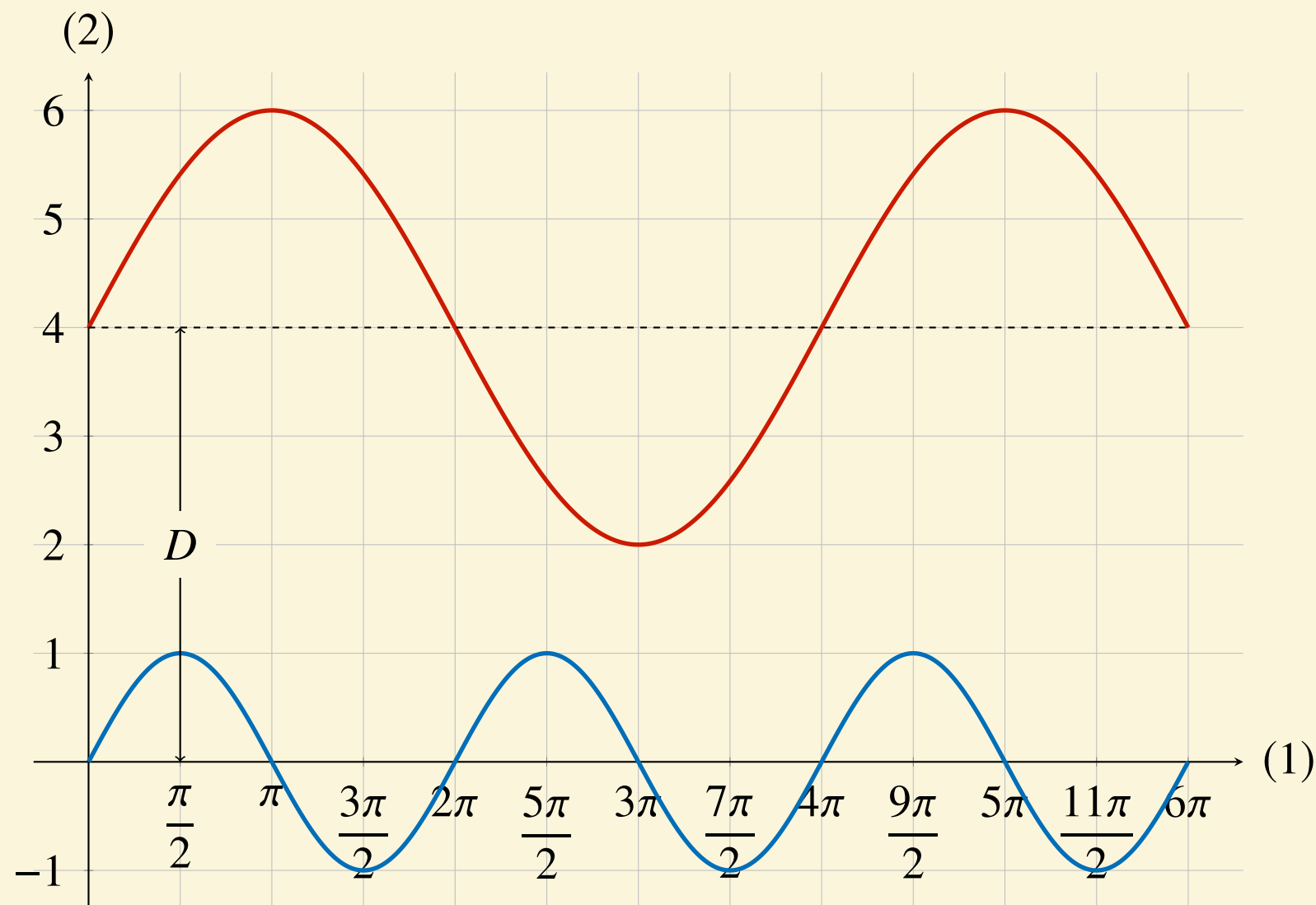
Perioden $T = \frac{2\pi}{B}$ og derfor er

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



$$f(x) = \sin(x) + D$$

En svingning har nulpunkt mellem maksimum og minimum. Den vertikale forskydning er D , målt fra svingnings nulpunkt.

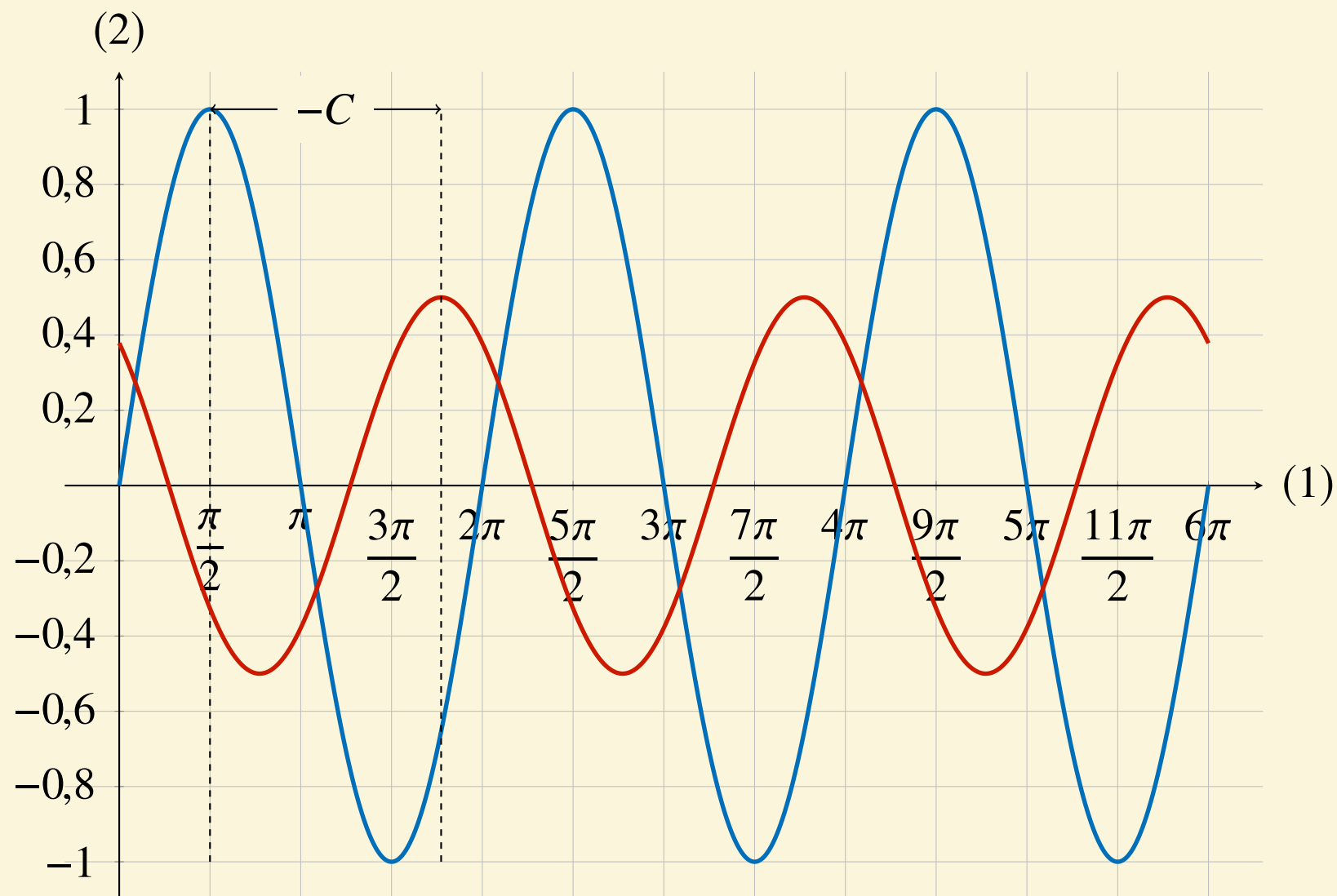


Sinus - Fase forskydning

12. september 2017

$$f(x) = \sin(x + C)$$

Fase forskydningen er $-C$



$$f(x) = A \cdot \sin(B \cdot x + C) + D$$



$$f(x) = A \cdot \sin(B \cdot x + C) + D$$



$$f(x) = A \cdot \sin(B \cdot x + C) + D$$



$$f(x) = A \cdot \sin(B \cdot x + C) + D$$

$$A = 3$$



$$f(x) = A \cdot \sin(B \cdot x + C) + D$$

$$A = 3$$



$$f(x) = A \cdot \sin(B \cdot x + C) + D$$

$$A = 3$$

$$B = \frac{2\pi}{4} = \pi/2$$



$$f(x) = A \cdot \sin(B \cdot x + C) + D$$

$$A = 3$$

$$B = \frac{2\pi}{4} = \pi/2$$



$$f(x) = A \cdot \sin(B \cdot x + C) + D$$

$$A = 3$$

$$B = \frac{2\pi}{4} = \pi/2$$

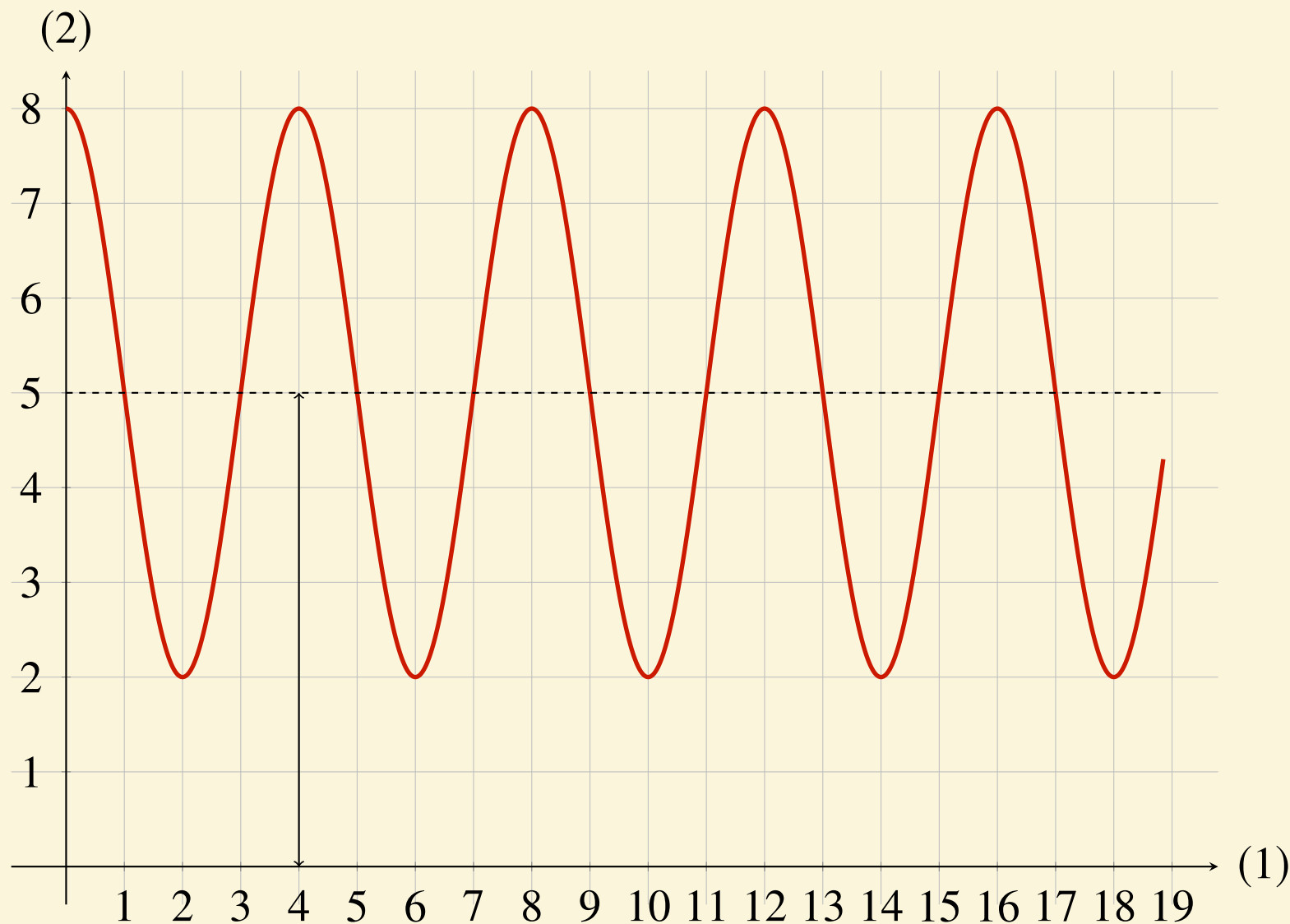


$$f(x) = A \cdot \sin(B \cdot x + C) + D$$

$$A = 3$$

$$B = \frac{2\pi}{4} = \pi/2$$

$$D = 5$$

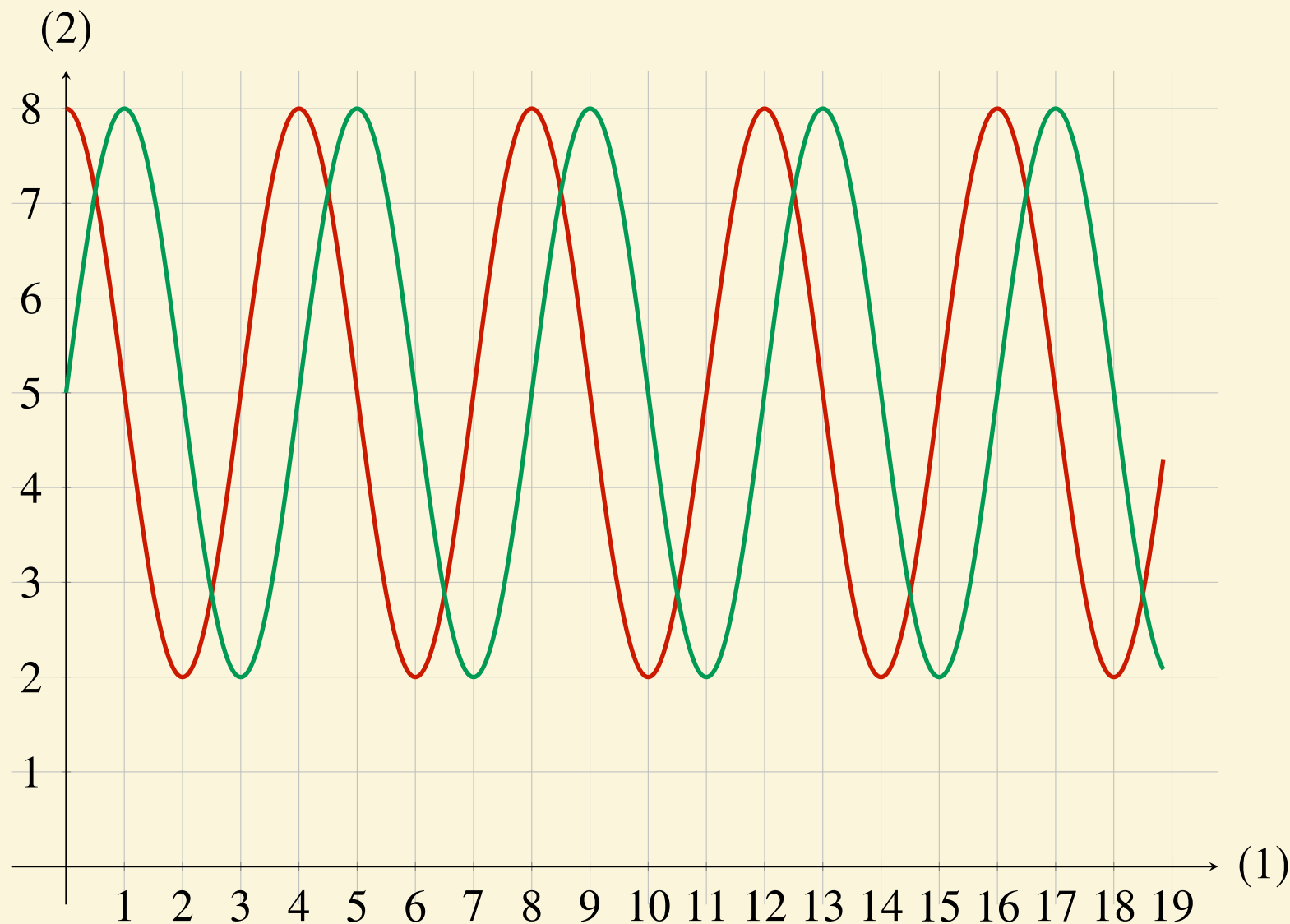


$$f(x) = A \cdot \sin(B \cdot x + C) + D$$

$$A = 3$$

$$B = \frac{2\pi}{4} = \pi/2$$

$$D = 5$$

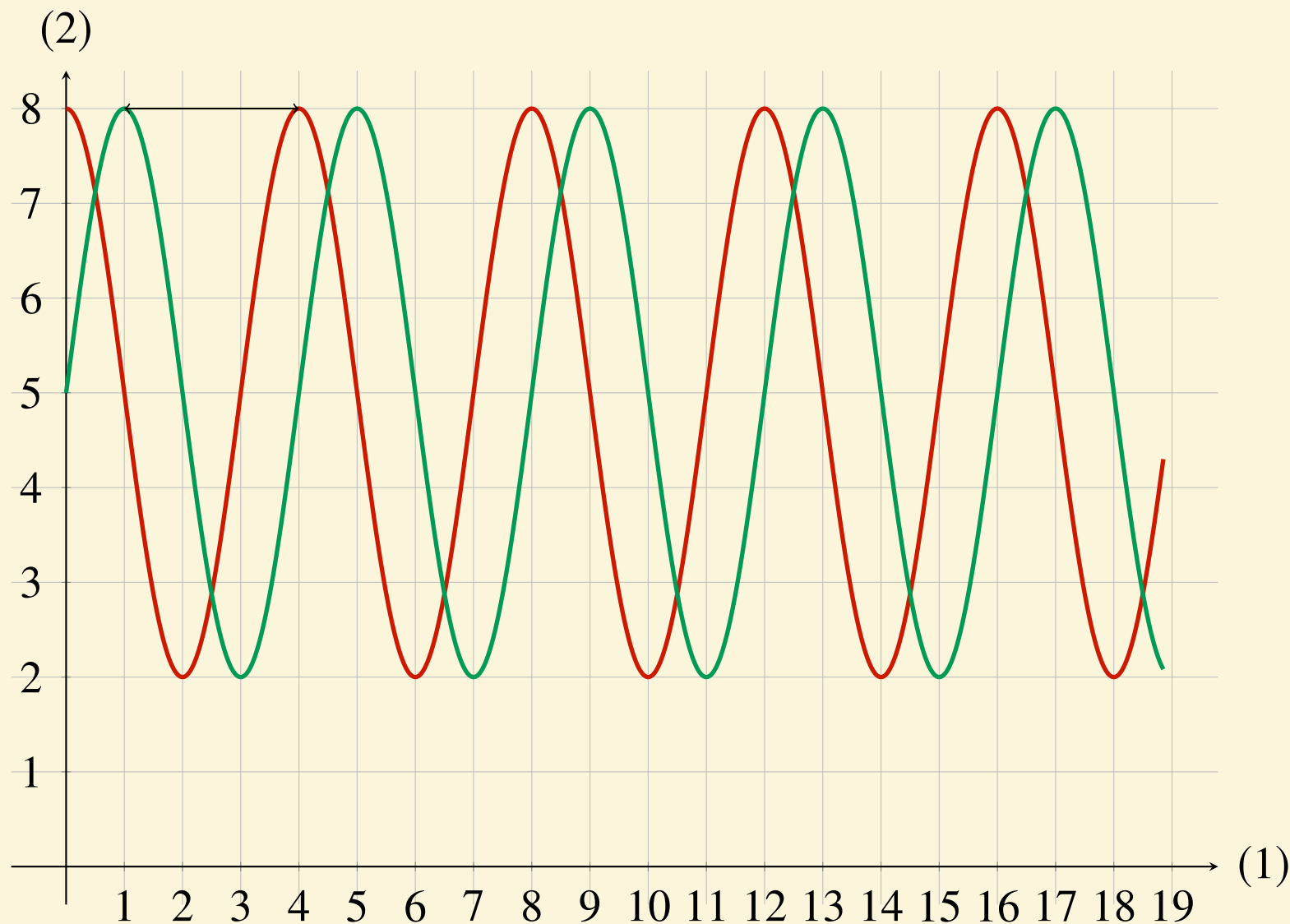


$$f(x) = A \cdot \sin(B \cdot x + C) + D$$

$$A = 3$$

$$B = \frac{2\pi}{4} = \pi/2$$

$$D = 5$$



$$f(x) = A \cdot \sin(B \cdot x + C) + D$$

$$A = 3$$

$$B = \frac{2\pi}{4} = \pi/2$$

$$C = -3$$

$$D = 5$$

