

a)

$$\omega \text{ (vinkel frekvens)} = 2$$

$$T \text{ (period)} = \frac{2\pi}{\omega} = \pi$$

$$f \text{ (frekvens)} = \frac{1}{T} = 1/\pi \text{ Hz}$$

b)

$$\omega = 100\pi$$

$$T = \frac{2\pi}{\omega} = \frac{1}{50}$$

$$f = 50 \text{ Hz}$$