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Opgave 285

Opstille generel formel for at omregne radianer til grader

$$\begin{aligned}\frac{2\pi}{v_{rad}} &= \frac{360}{v_{grad}} \\ v_{rad} \cdot 360 &= v_{grad} \cdot 2\pi \\ v_{rad} &= \frac{v_{grad} \cdot 2\pi}{360}\end{aligned}$$

Opgave A)

$$\begin{aligned}v &= \frac{54.2 \cdot 2\pi}{360} \\ v &= 0,9459685\end{aligned}$$

Opgave B)

$$\begin{aligned}v &= \frac{135.8 \cdot 2\pi}{360} \\ v &= 2,370157\end{aligned}$$

Opgave C)

$$\begin{aligned}v &= \frac{256.7 \cdot 2\pi}{360} \\ v &= 4,48026\end{aligned}$$

Opgave D)

$$\begin{aligned}v &= \frac{341.7 \cdot 2\pi}{360} \\ v &= 5,96379\end{aligned}$$