

	Navn:		Skole:	
	Klasse: 20		Dato: 8. februar 2022	Fag: Matematik A

## **Opgave 284**

Opstille generel formel for at omregne radiens til grader

$$\begin{aligned}\frac{2\pi}{v_1} &= \frac{360}{v_2} \\ 360 \cdot v_1 &= 2\pi \cdot v_2 \\ \frac{360 \cdot v_1}{2\pi} &= v_2 \\ v_2 &= \frac{360 \cdot v_1}{2\pi}\end{aligned}$$

Opgave A)

$$\begin{aligned}v &= \frac{360 \cdot 1}{2\pi} \\ v &= 57,29578\end{aligned}$$

Opgave B)

$$\begin{aligned}v &= \frac{360 \cdot 2.3468}{2\pi} \\ v &= 134,4617\end{aligned}$$

Opgave C)

$$\begin{aligned}v &= \frac{360 \cdot 4.0456}{2\pi} \\ v &= 231,7958\end{aligned}$$

Opgave D)

$$\begin{aligned}v &= \frac{360 \cdot 5.9732}{2\pi} \\ v &= 342,2392\end{aligned}$$