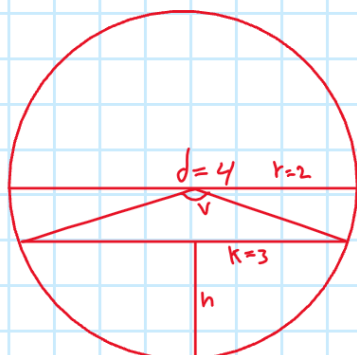


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$$\begin{aligned}
 A_k &= \frac{r^2}{2} \left(\frac{\pi v}{180^\circ} - \sin(v) \right) \\
 &= \frac{2^2}{2} \left(\frac{\pi \cdot 97.2}{180^\circ} - \sin(97.2) \right) \quad \text{indsæt tal} \\
 &= \frac{4}{2} \left(\frac{305.4}{180^\circ} - 0.99 \right) \quad \text{Simplificer} \\
 &= 2 (1.69 - 0.99) \quad \text{brøker} \\
 &= 2 \cdot 0.7 \quad \text{minus} \\
 &= 1.4
 \end{aligned}$$

$$\begin{aligned}
 A &= \pi r^2 \\
 &= \pi \cdot 2^2 \\
 &= 12.6 \quad \text{indsæt tal} \\
 &\quad \text{udregn}
 \end{aligned}$$

$$\begin{aligned}
 A_2 &= A - A_k \\
 &= 12.6 - 1.4 \quad \text{indsæt tal} \\
 &= 11.2 \quad \text{udregn}
 \end{aligned}$$

$$\begin{aligned}
 k &= 2r \sin\left(\frac{v}{2}\right) \\
 \frac{k}{2r} &= \sin\left(\frac{v}{2}\right) \quad \text{Divider med } 2r
 \end{aligned}$$

$$\sin^{-1}\left(\frac{k}{2r}\right) = \frac{v}{2} \quad \text{sin}^{-1}$$

$$\sin^{-1}\left(\frac{k}{2r}\right) 2 = v \quad \text{!} \cdot 2$$

$$v = \sin^{-1}\left(\frac{k}{2r}\right) 2 \quad \text{! vend om}$$

$$= \sin^{-1}\left(\frac{3}{2 \cdot 2}\right) 2 \quad \text{! indsæt tal}$$

$$= \sin^{-1}\left(\frac{3}{4}\right) \cdot 2 \quad \text{! gange}$$

$$= \sin^{-1}(0.75) \cdot 2 \quad \text{! brøk}$$

$$= 48.5 \cdot 2 \quad \text{! sin}^{-1}$$

$$= 97.0 \quad \text{! udregn}$$

$$\begin{aligned}
 h &= r \left(1 - \cos\left(\frac{v}{2}\right) \right) \\
 &= 2 \left(1 - \cos\left(\frac{97.0}{2}\right) \right) \quad \text{indsæt tal} \\
 &= 2 (1 - 0.66) \quad \text{! cos} \\
 &= 2 \cdot 0.34 \quad \text{! minus} \\
 &= 0.68 \quad \text{! udregn}
 \end{aligned}$$