

	Navn:		Skole:	
	Klasse: 20		Dato: 25. marts 2021	Fag: Matematik A

Opgave 135



$$\begin{aligned}
 A &= \pi r^2 \\
 &= \pi \cdot 16,94^2 && | \text{indsæt tal} \\
 &= \pi \cdot 286,96 && | \text{potens} \\
 &= 901,5 && | \text{udregn}
 \end{aligned}$$

$$\begin{aligned}
 A_c &= \frac{A}{360^\circ} V \\
 \frac{A_c}{\frac{A}{360^\circ}} &= V && | \text{flyt } \frac{A}{360}
 \end{aligned}$$

$$\frac{A_c \cdot 360^\circ}{A} = V && | \text{reducer}$$

$$\begin{aligned}
 V &= \frac{A_c \cdot 360^\circ}{A} && | \text{vend} \\
 &= \frac{116 \cdot 360^\circ}{901,5} && | \text{indsæt tal} \\
 &= \frac{41760}{901,5} && | \text{regn} \\
 &= 46,2^\circ && | \text{udregn}
 \end{aligned}$$