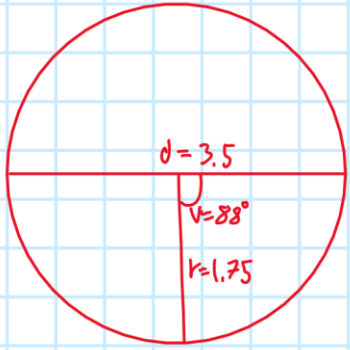


	Navn:		Skole:	
	Klasse: 20		Dato: 25. marts 2021	Fag: Matematik A

### Opgave 137



The diagram shows a circle with a horizontal diameter labeled  $d = 3.5$ . A vertical radius is drawn from the center to the bottom, labeled  $r = 1.75$ . A central angle  $v = 88^\circ$  is indicated between the horizontal radius and the vertical radius.

$$\begin{aligned}
 A_c &= \frac{r^2}{2} \cdot \left( \frac{\pi \cdot v}{180^\circ} - \sin(v) \right) \\
 &= \frac{3.1}{2} \cdot \left( \frac{\pi \cdot 88^\circ}{180^\circ} - \sin(88^\circ) \right) \quad \text{indsæt tal} \\
 &= 1.5 \cdot \left( \frac{276.5}{180^\circ} - \sin(88^\circ) \right) \quad \text{Reducer} \\
 &= 1.5 (1.5 - \sin(88^\circ)) \quad \text{brøk} \\
 &= 1.5 \cdot 0.53 \quad \text{parentes} \\
 &= 0.81
 \end{aligned}$$