

Tugas Trigonometri

1. Panjang busur = $\frac{\text{Sudut pusat}}{360^\circ} \times \text{Keliling Lingkaran}$

$$86 = \frac{\text{Sudut pusat}}{360^\circ} \times 2 \pi r$$

$$86 = \frac{\text{Sudut pusat}}{360^\circ} \times 2 \cdot 3,14 \cdot 40$$

$$86 = \frac{\text{Sudut pusat}}{360^\circ} \times 251,2$$

$$\begin{aligned} 86 \times 360^\circ &= \text{Sudut pusat} \times 251,2 \\ &= \left(\frac{86 \times 360^\circ}{251,2} \right) \end{aligned}$$

$$\text{Sudut pusat} = 123,25^\circ$$

2. $60^\circ = \frac{60^\circ}{180^\circ} \pi \text{ rad}$

$$= \frac{1}{3} \pi \text{ rad}$$

3. $\frac{5}{3} \pi \text{ rad} = \left(\frac{5}{3} \times 180^\circ \right)^\circ$
 $= 300^\circ$