

# Ficha Circunferência

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1.

$$\widehat{OCA} = 28^\circ$$

$$\widehat{COA} = 180^\circ - 2(28^\circ) = 180^\circ - 56^\circ = 124^\circ$$

$$\widehat{CBA} = \frac{124^\circ}{2} = 62^\circ$$

R:  $62^\circ$ .

2.

$$\widehat{CDE} = \frac{180^\circ - 70^\circ}{2} = 55^\circ$$

$$\widehat{CED} = 55^\circ$$

$$\text{ArcoBC} = \frac{50^\circ}{2} = 25^\circ$$

$$\text{ArcoBD} = 55^\circ \cdot 2 - 25^\circ = 110^\circ - 25^\circ = 85^\circ$$

R:  $85^\circ$ .

3.

$$180^\circ - 100^\circ = 80^\circ$$

$$\text{ArcoBA} = 80^\circ \cdot 2 = 160^\circ$$

$$\text{ArcoBCA} = 360^\circ - 160^\circ = 200^\circ$$

R:  $200^\circ$ .

4.

$$\widehat{BCE} = \frac{60^\circ}{2} = 30^\circ$$

$$\widehat{CBE} = 180^\circ - 30^\circ - 90^\circ = 60^\circ$$

$$\text{ArcoCD} = 60^\circ \cdot 2 = 120^\circ$$

R: B.

5.

$$\widehat{DBC} = \frac{110^\circ}{2} = 55^\circ$$

$$\widehat{DCB} = \widehat{DBC}$$

$$\widehat{BDC} = 180^\circ - 2(55^\circ) = 180^\circ - 110^\circ = 70^\circ$$

R: A.

6.

$$\text{ArcoCB} \equiv \text{ArcoBA} \equiv \text{ArcoAE} \equiv \text{ArcoDE} \equiv \text{ArcoDC}$$

$$\text{ArcoCB} = \frac{360^\circ}{2} = 72^\circ$$

$$\widehat{CAJ} \equiv \widehat{ACJ}$$

$$\widehat{CAJ} = 180^\circ - 2(36^\circ) = 180^\circ - 72^\circ = 108^\circ$$

R: CJA tem  $108^\circ$  de amplitude.

7.

$$\widehat{DEA} = 130^\circ$$

$$\text{ArcoCD} = 180^\circ - 130^\circ = 50^\circ$$

$$\widehat{DEC} = \frac{50^\circ}{2} = 25^\circ$$

R: DEC tem  $25^\circ$  de amplitude.