

13.4

$$\widehat{AOB} = 180^\circ - 57^\circ = 123^\circ$$

$$\sin(\widehat{OBA}) = \frac{24 \cdot \sin(123^\circ)}{36} \approx 0,559\,114$$

$$\widehat{OBA} \approx \arcsin(0,559\,114) = 33,99^\circ$$

$$\text{ou } \widehat{OBA} \approx 180^\circ - 33,99^\circ = 146,01^\circ$$

Cette dernière possibilité est à exclure, car  $146,01^\circ + 123^\circ > 180^\circ$ .

$$\widehat{BAO} \approx 180^\circ - (123^\circ + 33,99^\circ) = 23,01^\circ$$

$$OB \approx \frac{36 \cdot \sin(23,01^\circ)}{\sin(123^\circ)} = 16,78$$

$$\widehat{CBO} \approx 90^\circ - 33,99^\circ = 56,01^\circ$$

$$\widehat{OCB} \approx 180^\circ - (57^\circ + 56,01^\circ) = 66,99^\circ$$

$$BC \approx \frac{16,78 \cdot \sin(57^\circ)}{\sin(66,99^\circ)} = 15,29$$

