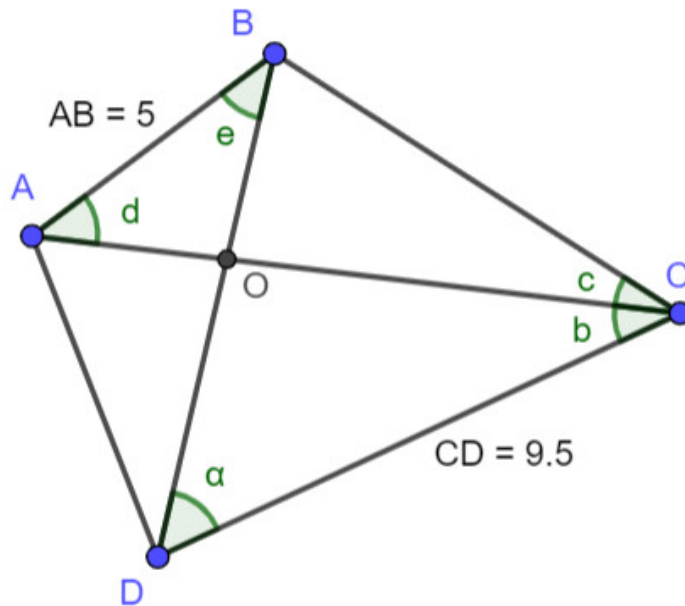


Exercise 1

Calc. : ✓

On considère le quadrilatère ABCD tel que :

$$CD = 9,5 \text{ km} ; AB = 5 \text{ km} ; \widehat{ODC} = \alpha = 51^\circ ; \\ \widehat{OCD} = b = 32^\circ ; \widehat{OAB} = d = 43^\circ ; \widehat{OBA} = e = 40^\circ ; \widehat{OCB} = c = 26^\circ .$$



1. Calculer les distances OA et OC.
2. Calculer les distances AD et BC.
3. Calculer l'aire du triangle BOC.

6 marks

4 marks

4 marks

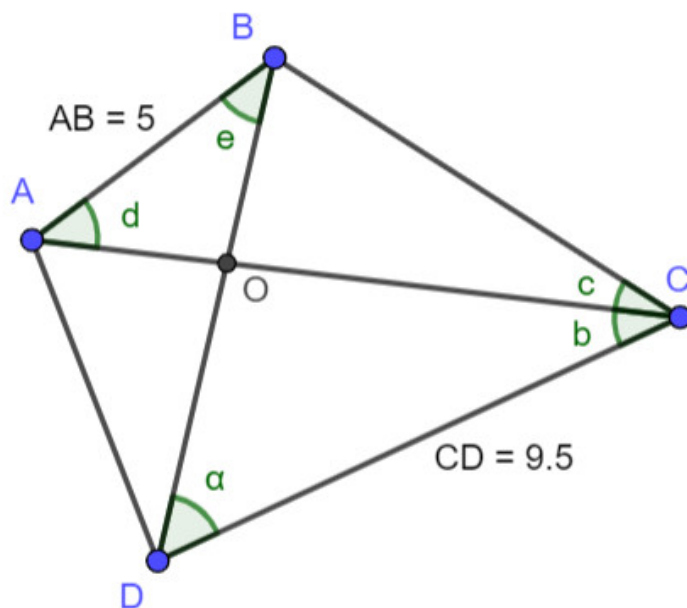
Exercise 2

Calc. : ✓

Je dán čtyřúhelník ABCD a tyto hodnoty :

$$CD = 9,5 \text{ km} ; AB = 5 \text{ km} ; \widehat{ODC} = \alpha = 51^\circ ;$$

$$\widehat{OCD} = b = 32^\circ ; \widehat{OAB} = d = 43^\circ ; \widehat{OBA} = e = 40^\circ ; \widehat{OCB} = c = 26^\circ .$$



1. Vypočítejte velikosti stran OA a OC.
2. Vypočítejte velikosti stran AD a BC.
3. Vypočítejte obsah trojúhelníku BOC.

6 marks

4 marks

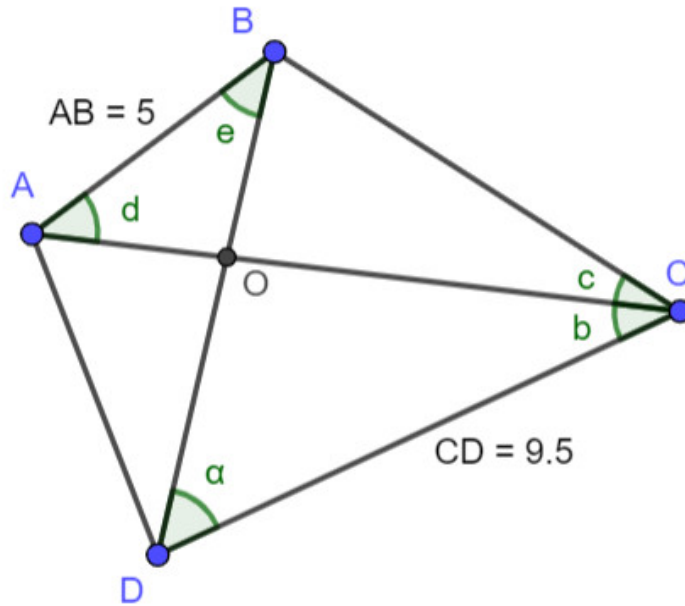
4 marks

Exercise 3

Calc. : ✓

Sea el cuadrilátero ABCD. Sabiendo que:

$$CD = 9,5 \text{ km} ; AB = 5 \text{ km} ; \widehat{ODC} = \alpha = 51^\circ ; \\ \widehat{OCD} = b = 32^\circ ; \widehat{OAB} = d = 43^\circ ; \widehat{OBA} = e = 40^\circ ; \widehat{OCB} = c = 26^\circ .$$



1. Calcula las distancias OA y OC.
2. Calcula las distancias AD y BC.
3. Calcula el área del triángulo BOC.

6 marks

4 marks

4 marks