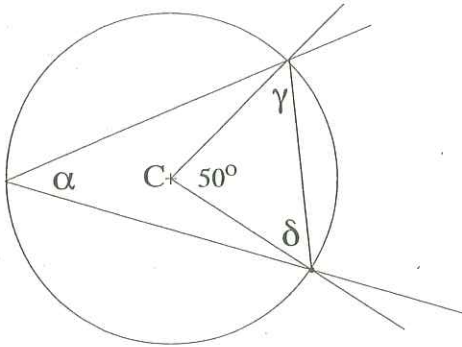


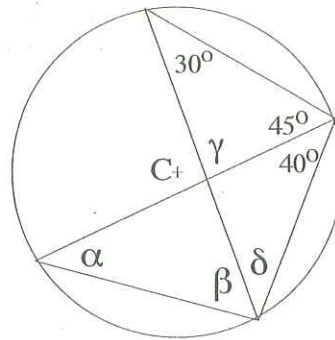
Déterminer les valeurs demandées.

1) C est le centre du cercle.



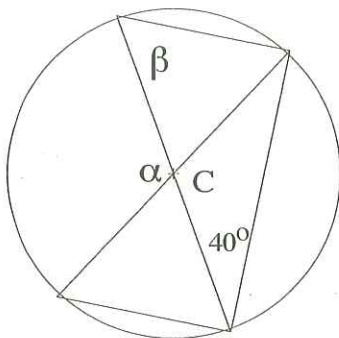
$\alpha =$ $\delta =$ $\gamma =$

2) C est le centre du cercle.



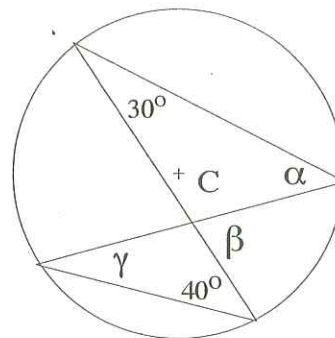
$\alpha =$ $\beta =$ $\gamma =$ $\delta =$

3) C est le centre du cercle.



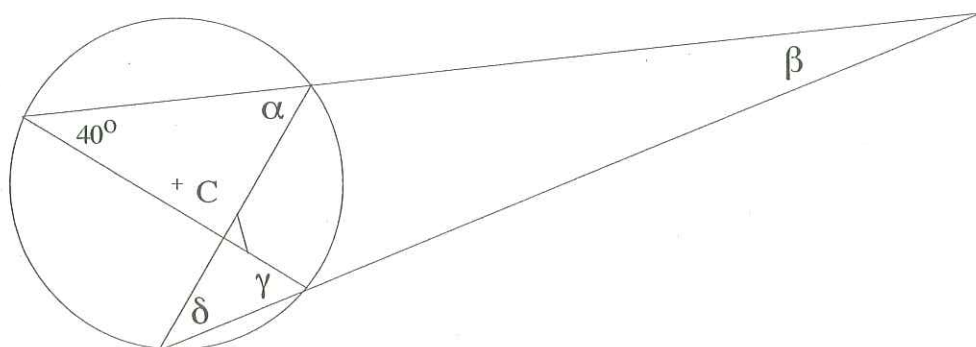
$\alpha =$ $\beta =$

4) C est le centre du cercle.



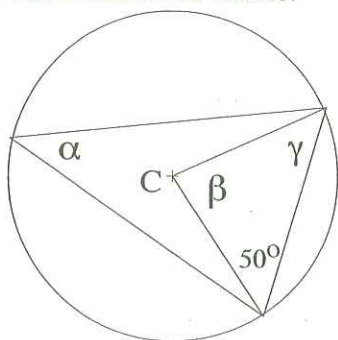
$\alpha =$ $\beta =$ $\gamma =$

5) C est le centre du cercle.



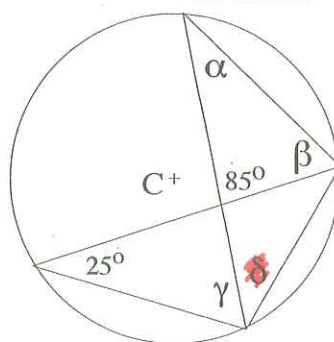
$\alpha =$ $\beta =$ $\gamma =$ $\delta =$

6) C est le centre du cercle.



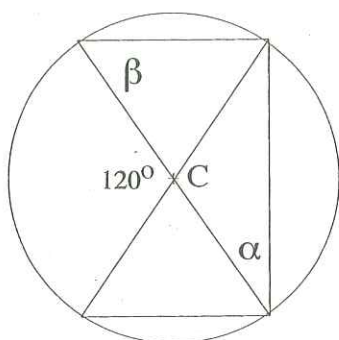
$\alpha =$ $\beta =$ $\gamma =$

7) C est le centre du cercle.



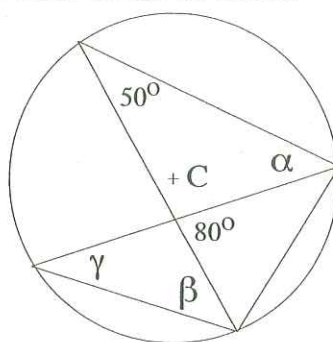
$\alpha =$ $\beta =$ $\gamma =$ 84

8) C est le centre du cercle.



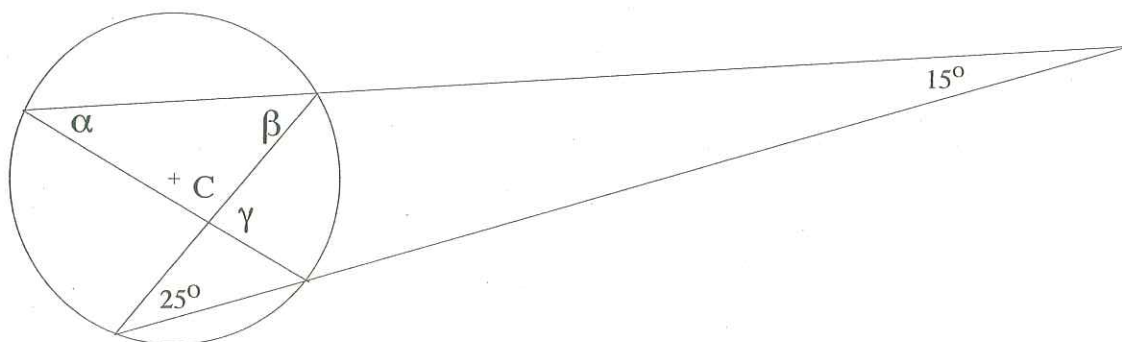
$\alpha =$ $\beta =$

9) C est le centre du cercle.



$\alpha =$ $\beta =$ $\gamma =$

10) C est le centre du cercle.



$\alpha =$ $\beta =$ $\gamma =$

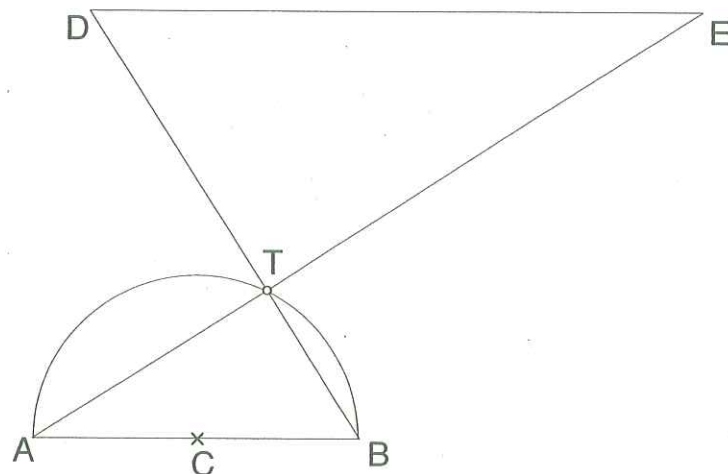
11) C est le centre du demi-cercle.

Les segments AB et DE sont parallèles.

$$AB = 275$$

$$AT = 220$$

$$DE = 750$$



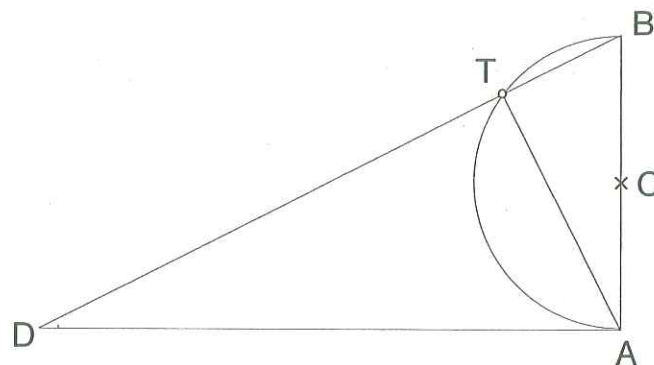
$$TD =$$

$$TE =$$

12) C est le centre du demi-cercle.

Les segments AB et AD sont perpendiculaires.

$$AB = 150 \quad BT = 90$$

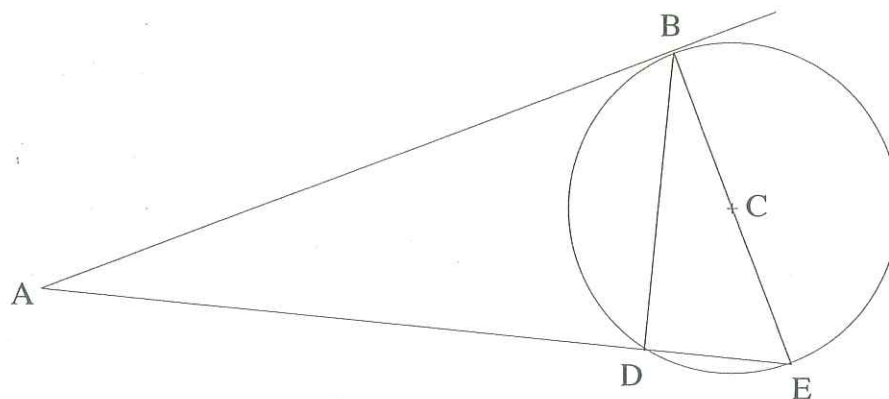


$$DT =$$

$$AD =$$

13) C est le centre du cercle.

La droite AB est tangente au cercle au point B. $BE = 110$ $DE = 88$

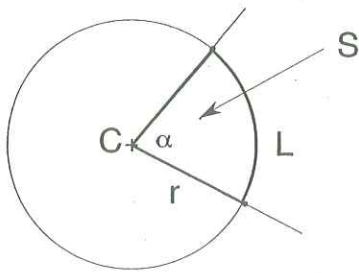


$$BD =$$

$$AD =$$

$$AB =$$

- 14) C est le centre du cercle : r , α , L et S représentent respectivement la valeur du rayon, de l'angle au centre, de l'arc de cercle et du secteur.



Connaissant deux des 4 grandeurs r , α , L et S , on peut déterminer les autres.

a) $r = 10$	$\alpha = 40^\circ$	$L =$	$S =$
b) $r = 15$	$\alpha =$	$L = 45$	$S =$
c) $r = 12$	$\alpha =$	$L =$	$S = 200$
d) $r =$	$\alpha = 120^\circ$	$L = 90$	$S =$
e) $r =$	$\alpha = 200^\circ$	$L =$	$S = 320$
f) $r =$	$\alpha =$	$L = 50$	$S = 400$

1) $\alpha = 25^\circ$	$\delta = 65^\circ$	$\gamma = 65^\circ$	
2) $\alpha = 30^\circ$	$\beta = 45^\circ$	$\gamma = 105^\circ$	$\delta = 65^\circ$
3) $\alpha = 100^\circ$	$\beta = 50^\circ$		
4) $\alpha = 40^\circ$	$\beta = 70^\circ$	$\gamma = 30^\circ$	
5) $\alpha = 50^\circ$	$\beta = 10^\circ$	$\gamma = 50^\circ$	$\delta = 40^\circ$
6) $\alpha = 40^\circ$	$\beta = 80^\circ$	$\gamma = 50^\circ$	
7) $\alpha = 25^\circ$	$\beta = 70^\circ$	$\gamma = 70^\circ$	$\delta = 45^\circ$
8) $\alpha = 30^\circ$	$\beta = 60^\circ$		
9) $\alpha = 30^\circ$	$\beta = 30^\circ$	$\gamma = 50^\circ$	
10) $\alpha = 25^\circ$	$\beta = 40^\circ$	$\gamma = 65^\circ$	
11) TD = 450	TE = 600		
12) DT = 160	AD = 200		
13) BD = 66	AD = 49.5	AB = 82.5	
14) a) $L \approx 6.98$	$S \approx 34.91$	d) $r \approx 42.97$	$S \approx 1933.73$
b) $\alpha \approx 171.89^\circ$	$S = 337.5$	e) $r \approx 13.54$	$L \approx 47.27$
c) $\alpha \approx 159.15^\circ$	$L \approx 33.33$	f) $r = 16$	$\alpha \approx 179.05^\circ$