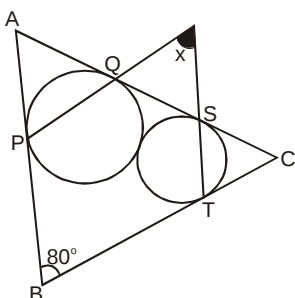




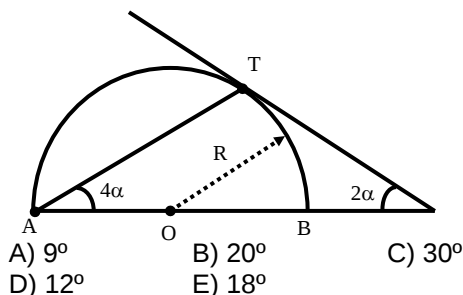
CIRCUNFERENCIAS

Ejercicios para Resolver

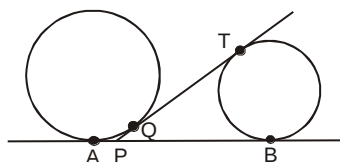
01. Calcular "x" si P, Q, T y S son puntos de tangencia.



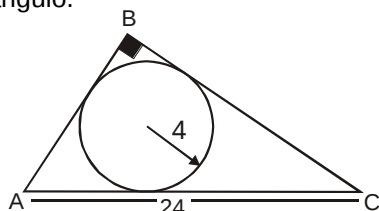
- A) 30° B) 52° C) 30°
D) 25° E) 36°
02. Calcular "α", si T es punto de tangencia.



03. Se sabe que PQ = 3 y QT = 10, calcular AB

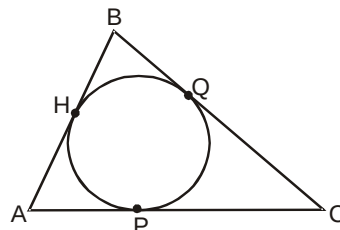


- A) 16 B) 15 C) 14
D) 13 E) 12
04. Calcular el perímetro del triángulo rectángulo.



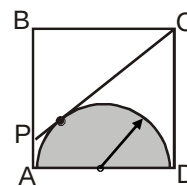
- A) 56 B) 55 C) 54
D) 53 E) 52

05. En la figura adjunta, hallar "BQ"



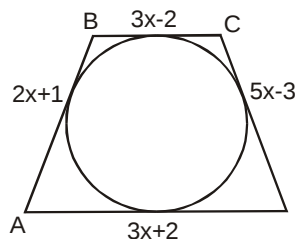
- Si AB = 13; BC = 14; AC = 15
A) 6 B) 5 C) 4
D) 3 E) 2

06. Calcular el perímetro del triángulo PBC, si el perímetro del cuadrado ABCD es 40.



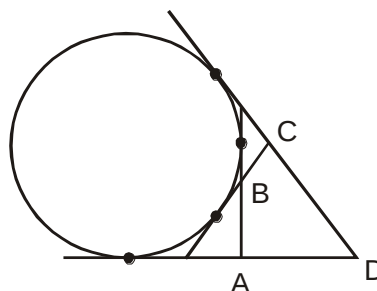
- A) 16 B) 25 C) 24
D) 30 E) 32

07. Calcular el perímetro del cuadrilátero ABCD



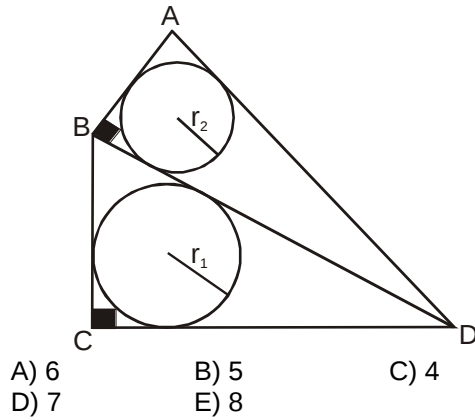
- A) 16 B) 25 C) 24
D) 30 E) 32

08. Sabiendo que AD = 3BC + 5 ; CD = AB + 9, hallar "AD"

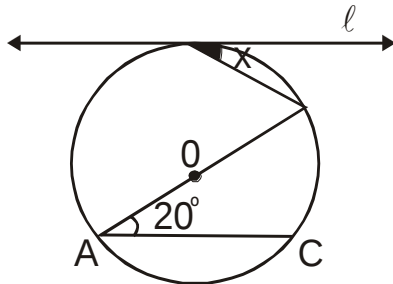


- A) 16 B) 15 C) 14
D) 13 E) 11

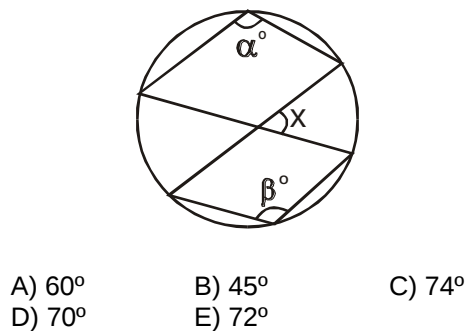
09. Hallar $r_1 + r_2$, si $AB=14$ y $AD = BC+CD$



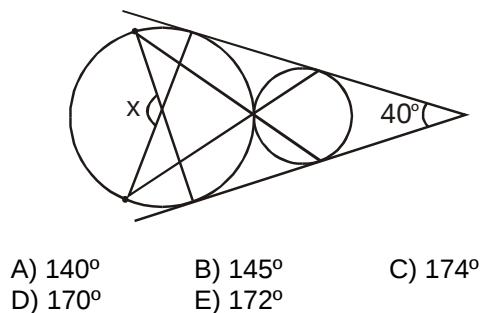
10. En la figura: $L \parallel AC$, "O" es centro. Calcular "x"



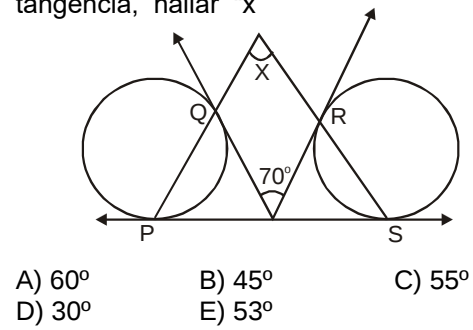
11. Si: $\nabla + \exists = 250$, hallar "X"



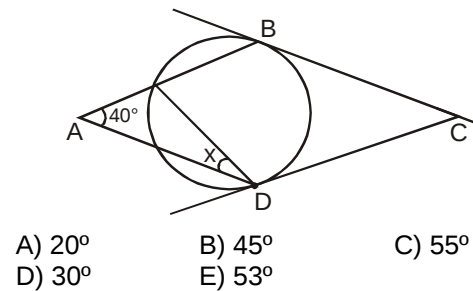
12. De la figura, calcular "x"



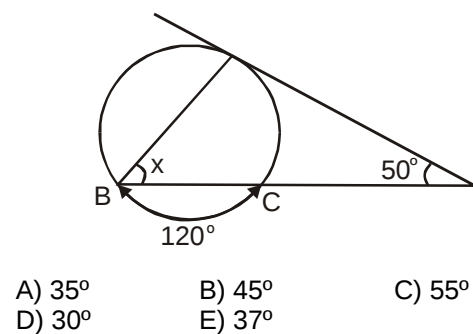
13. Siendo P, Q, R, y S puntos de tangencia, hallar "x"



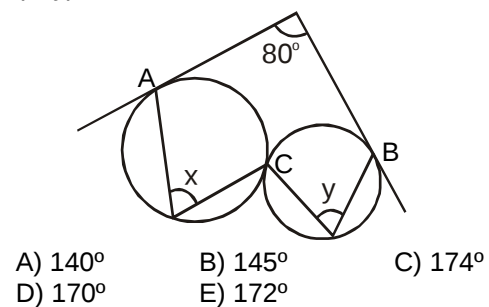
14. Si: ABCD es un romboide. Hallar "x".



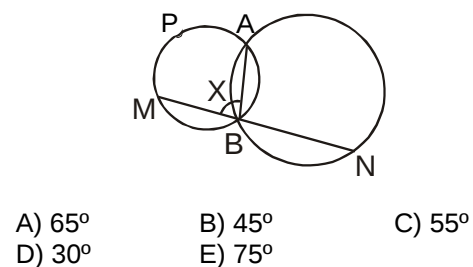
15. Hallar "x" en:



16. A, B, y C son puntos de tangencia, hallar (x+y).



17. Si $m\widehat{APM} + m\widehat{ABN} = 300^\circ$.
Hallar $m\angle MBA$



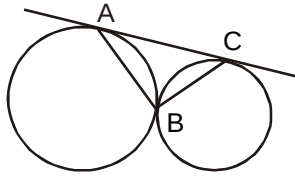


MATEMATICA

EJERCICIOS

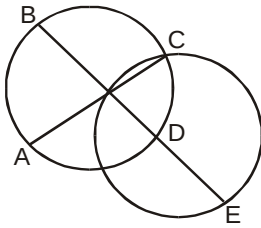


18. Calcular la medida del ángulo ABC, si A, B y C son puntos de tangencia.



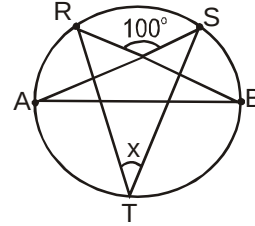
- A) 85° B) 45° C) 75°
D) 90° E) 37°

19. En la figura $m\widehat{AB} = 70^\circ$ y $m\widehat{CE} = 130^\circ$, Calcular la $m\widehat{CD}$



- A) 60° B) 45° C) 55°
D) 30° E) 53°

20. Calcular "X", sabiendo que $\overline{AB}$ es diámetro.



- A) 20° B) 15° C) 10°
D) 30° E) 53°

A) 120° B) 130° C) 140°
D) 150° E) 100°