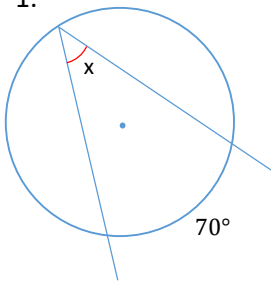




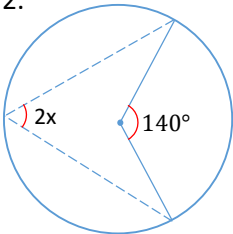
Exercícios: Circunferência

Determine o valor de x em cada caso:

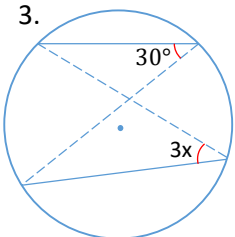
1.



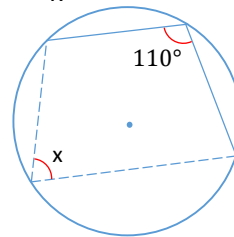
2.



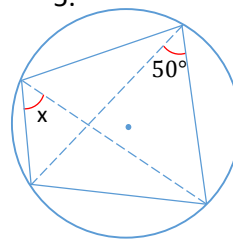
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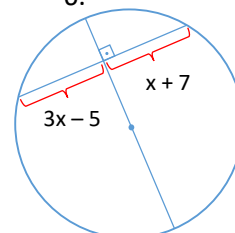
4.



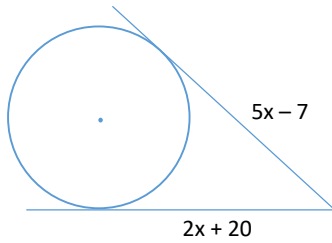
5.



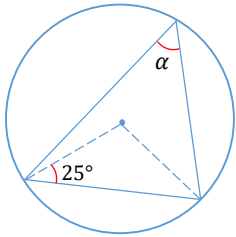
6.



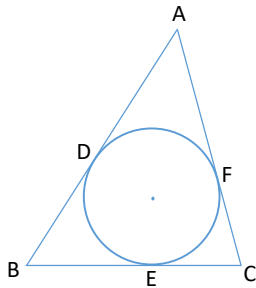
7.



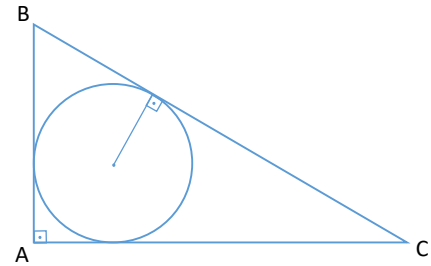
8. Encontre o valor de α :



9. Na figura, o círculo de centro O é inscrito no triângulo ABC. $BD = 4$, $AF = 3$ e $EC = 5$. Qual é o perímetro do triângulo ABC?



10. Na figura, calcule a medida do raio r da circunferência inscrita no triângulo retângulo ABC, sendo $AB = 10$ cm, $AC = 24$ cm e $BC = 26$ cm.



11. A distância entre os centros de duas circunferências tangentes exteriormente é de 33 cm. Determine seus diâmetros, sabendo que a razão entre seus raios é $\frac{4}{7}$.

12. A distância entre os centros de duas circunferências tangentes internamente é 5 cm. Se a soma dos raios é 11 cm, determine os raios.

GABARITO:

- | | | | | | |
|----|-----|----|-----|-----|---------------|
| 1. | 35° | 4. | 70° | 9. | 24 |
| 2. | 35° | 5. | 50° | 10. | 4 cm |
| 3. | 10° | 6. | 6 | 11. | 24 cm e 42 cm |
| | | 7. | 9 | 12. | 8 cm e 3 cm |
| | | 8. | 65° | | |