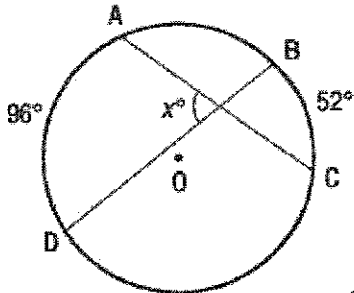


4.1 Notes de cours 2

Exemple 3 : Détermine la valeur de x. Justifie ton raisonnement.

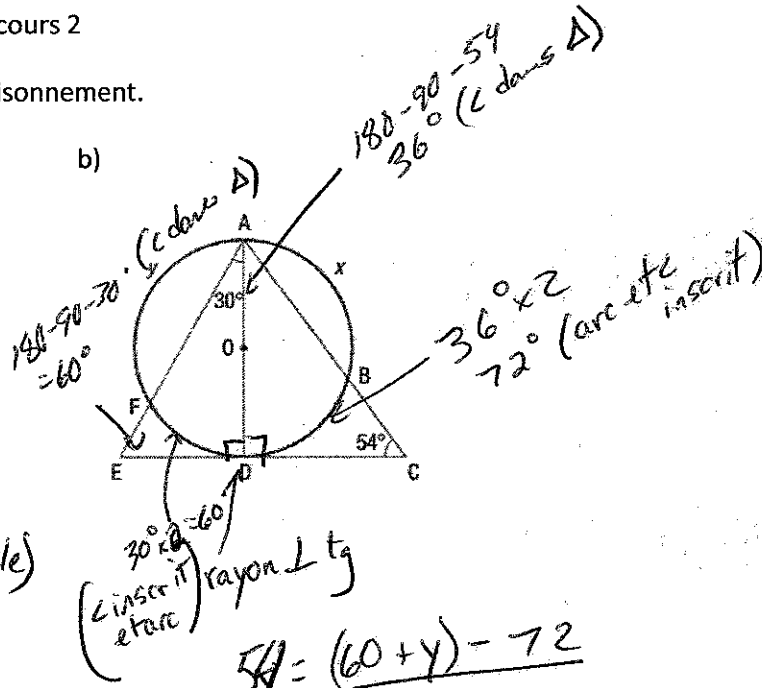
a)



$$x = \frac{96 + 32}{2} \quad (\angle \text{intérieur au centre})$$

$$x = 64^\circ$$

b)



$$54 = \frac{(60 + y) - 72}{2}$$

$$108 = y - 12$$

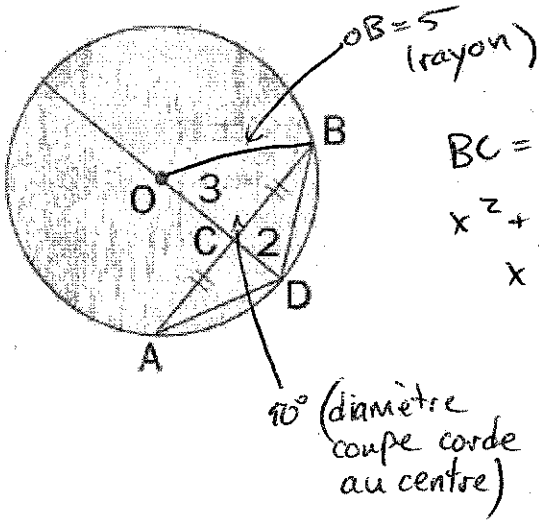
$$120 = y$$

$$60 = \frac{(x + 72) - 60}{2}$$

$$120 = x + 12$$

$$108 = x$$

Exemple 4 : Détermine la longueur de BC et BD.



$$BC = x$$

$$x^2 + 3^2 = 5^2$$

$$x^2 = 25 - 9$$

$$x^2 = 16$$

$$x = 4$$

$$BD = y$$

$$4^2 + 2^2 = y^2$$

$$16 + 4 = y^2$$

$$20 = y^2$$

$$y = \sqrt{20} = 2\sqrt{5}$$

Devoir : Visions pages 573-578, nos 1abcde, 2adef, 3abd, 5ab, 6, 7abcd, 8a, 9acf, 10a(1,2,3), 10b (1,2)