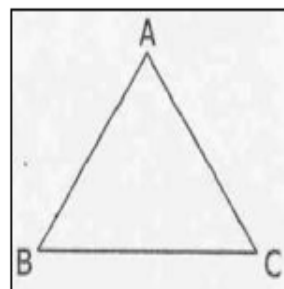


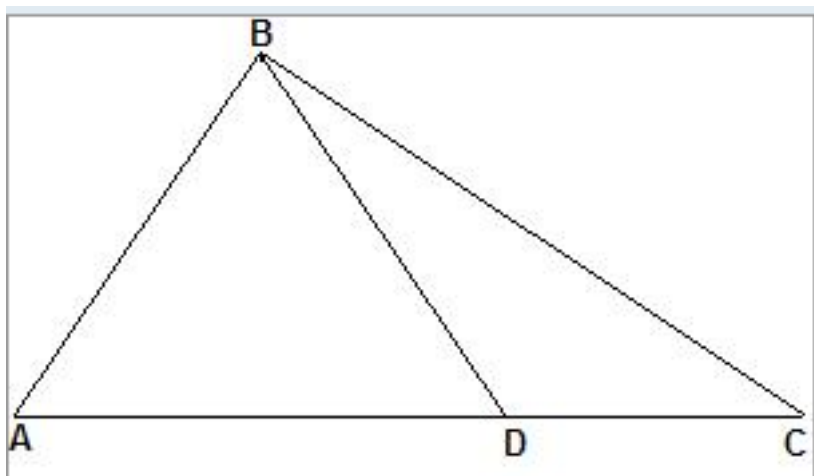
Lei dos cossenos

1. No triângulo representado na figura, AB e AC têm a mesma medida e a altura relativa ao lado BC é igual a $\frac{2}{3}$ da medida de BC . Com bases nesses dados, o cosseno do ângulo CAB é:

- a) $\frac{7}{25}$ b) $\frac{7}{20}$ c) $\frac{4}{5}$ d) $\frac{5}{7}$ e) $\frac{5}{6}$



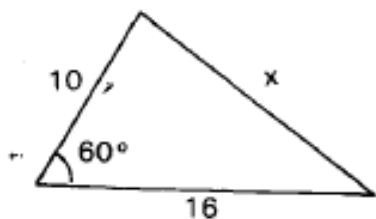
2. Na figura, $\overline{AD} = 2$, $\overline{AB} = \sqrt{3}$, $\widehat{BAC} = 30^\circ$ e $\overline{BD} = \overline{DC}$. Quanto mede $\overline{BC}$?



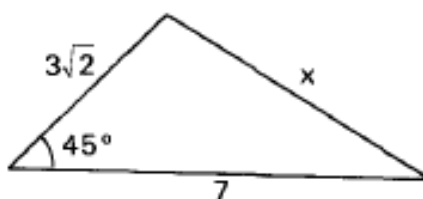
3. Um triângulo escaleno possui lados x , $x + 1$ e $x + 2$. Considerando que um de seus ângulos mede 120° , qual o valor de x ?

4. Determine x nos casos abaixo.

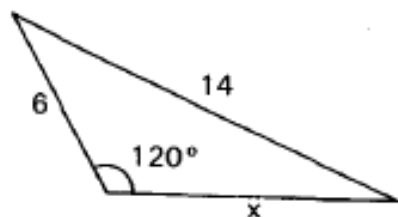
a)



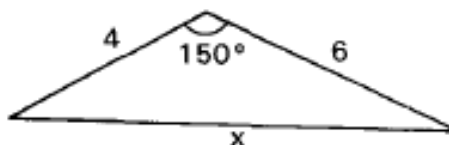
b)



c)

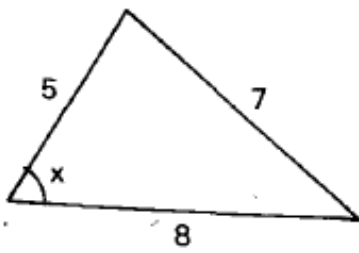


d)

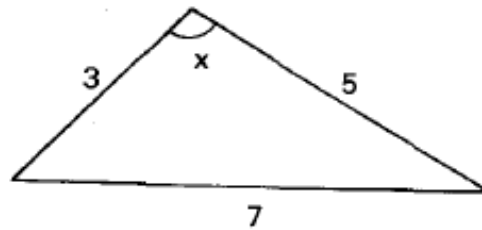


5. Calcule o cosseno de x , nas figuras abaixo.

a)



b)



Gabarito

1. A

2. A

3. $\frac{3}{2}$

4.

a) 14

b) 5

c) 10

d) $2\sqrt{6\sqrt{3} + 13}$

5.

a) 60°

b) 120°