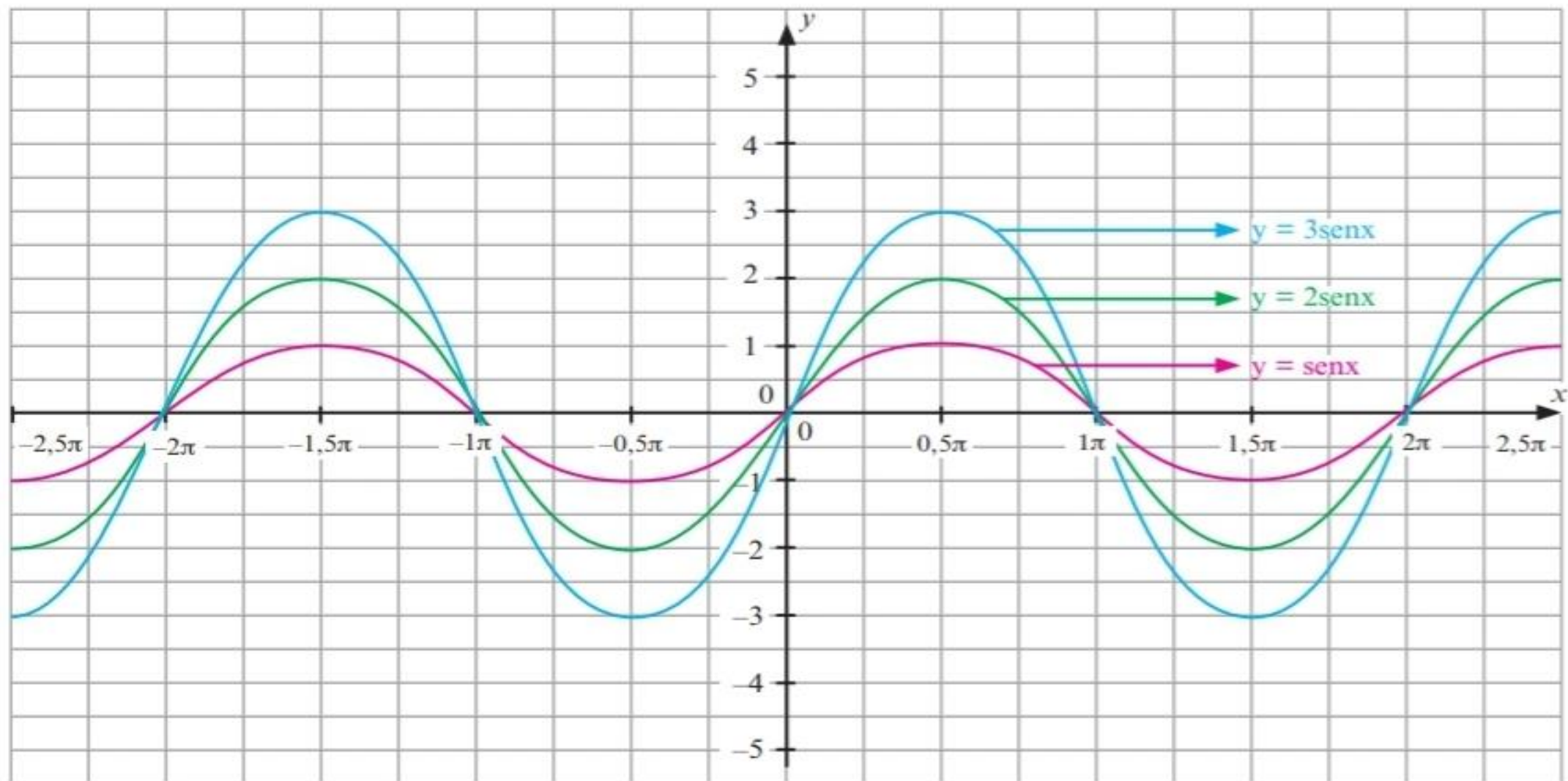


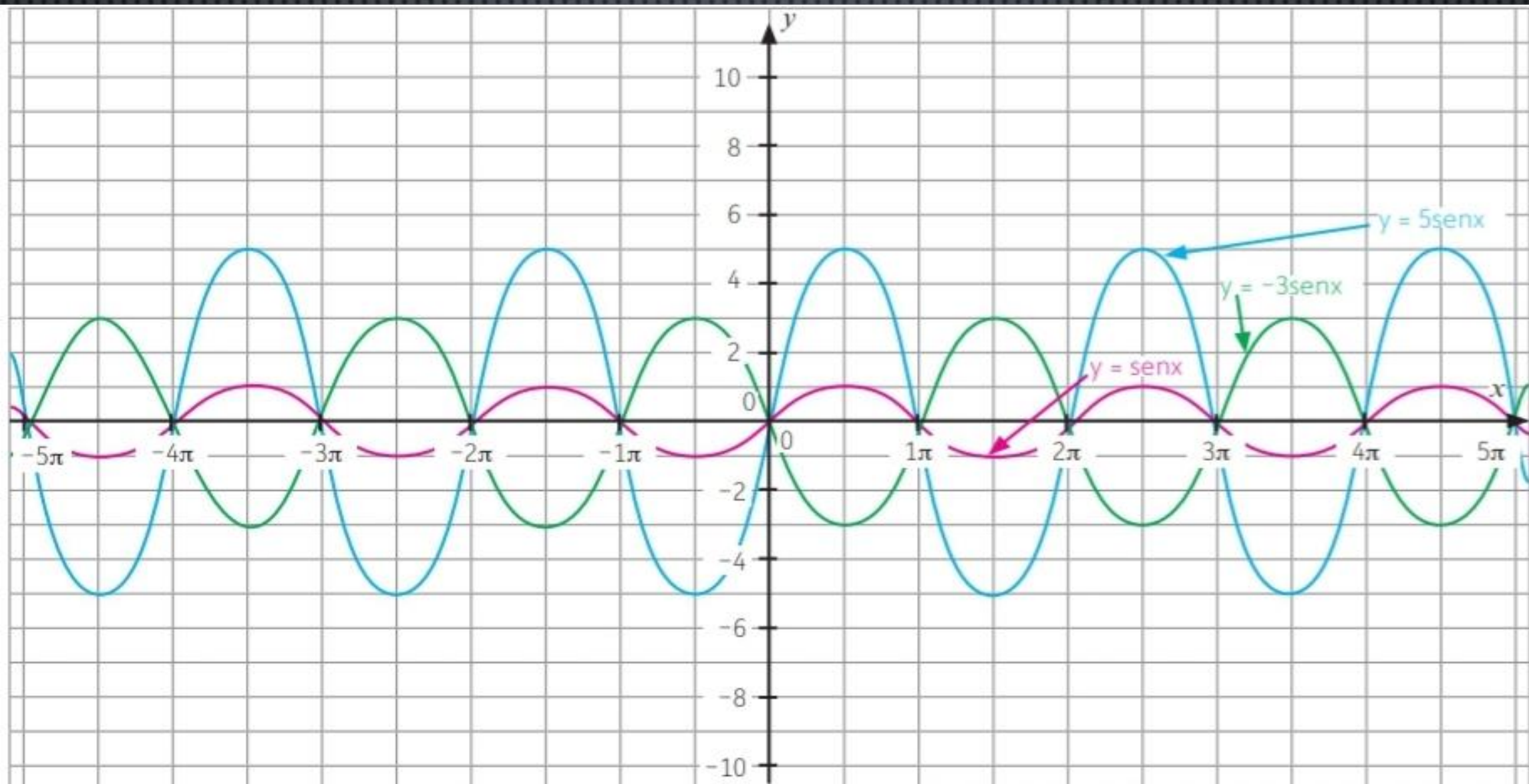
ESTUDO DAS FUNÇÕES SENO E COSSENO

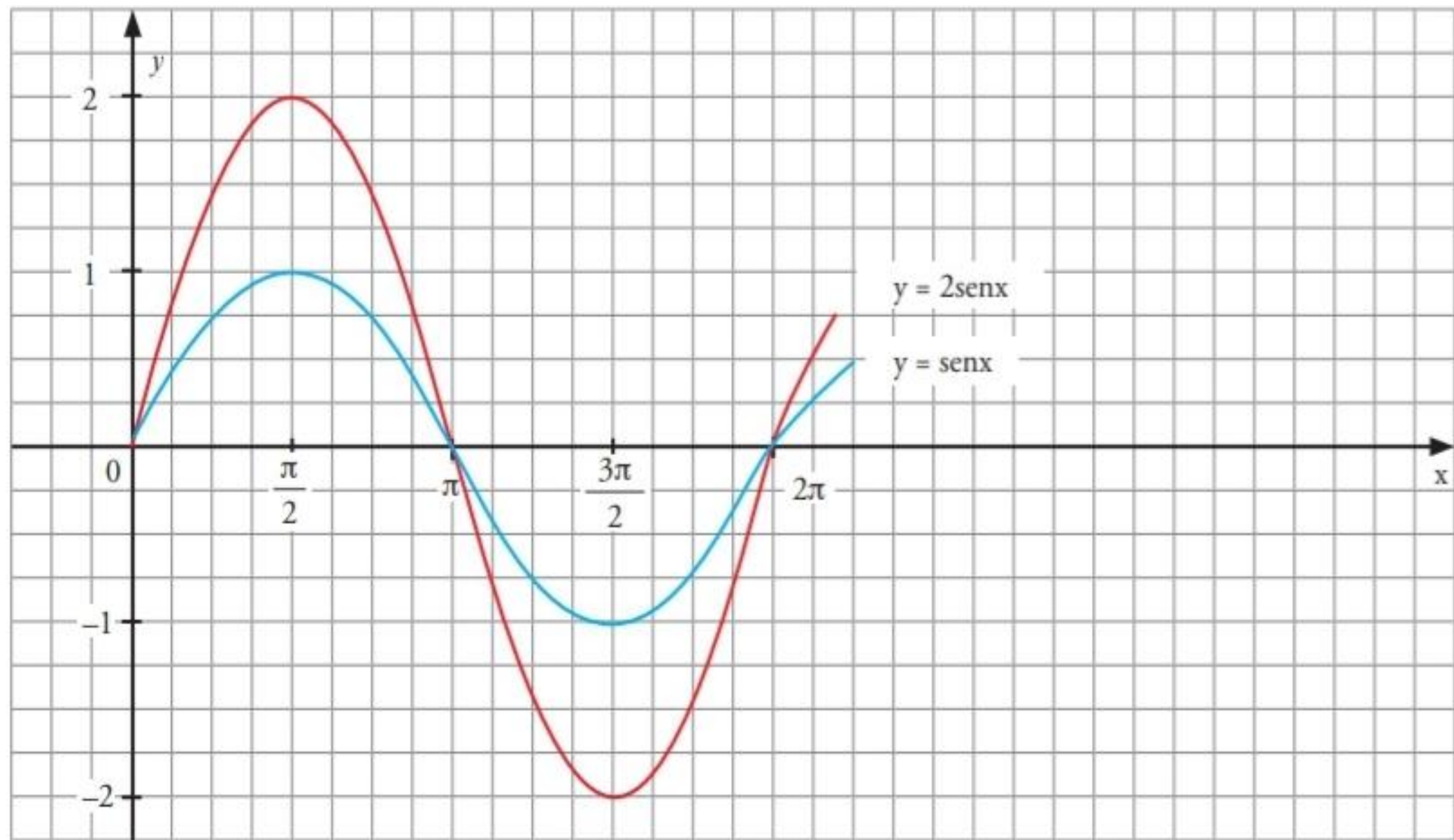
MATEMÁTICA 2º ANO (1ºBIM)

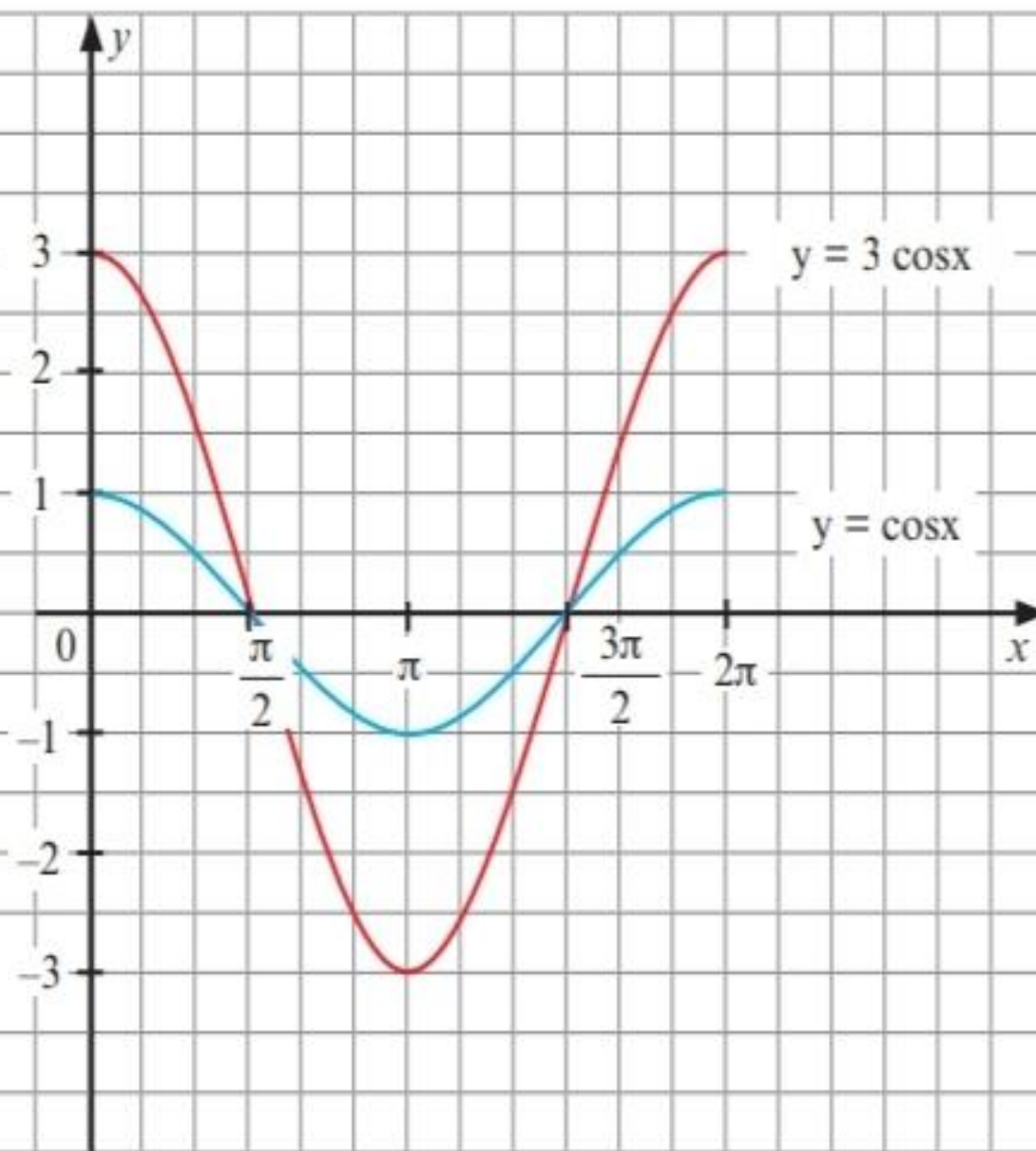
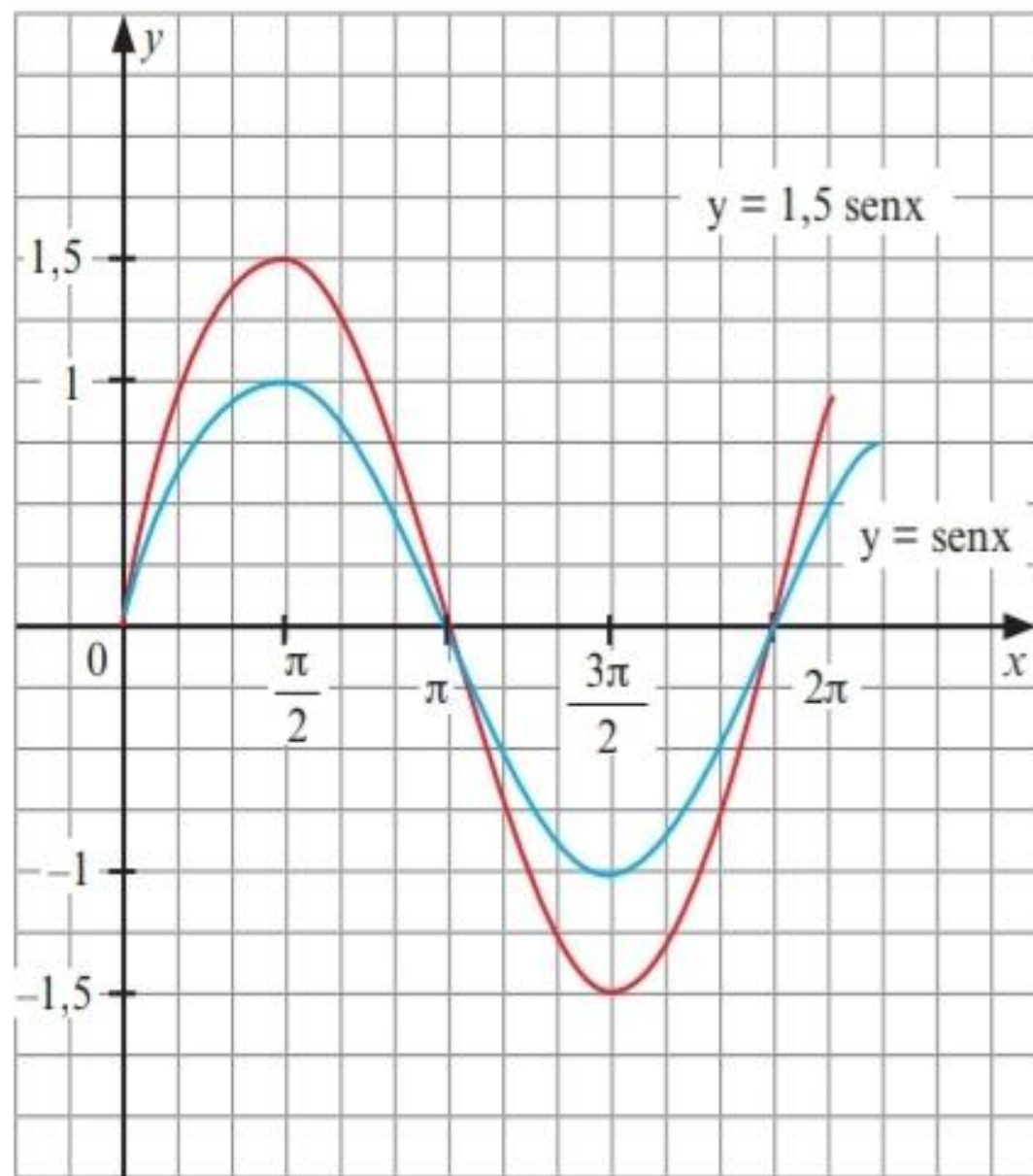
PARTE 4

AMPLITUDE:

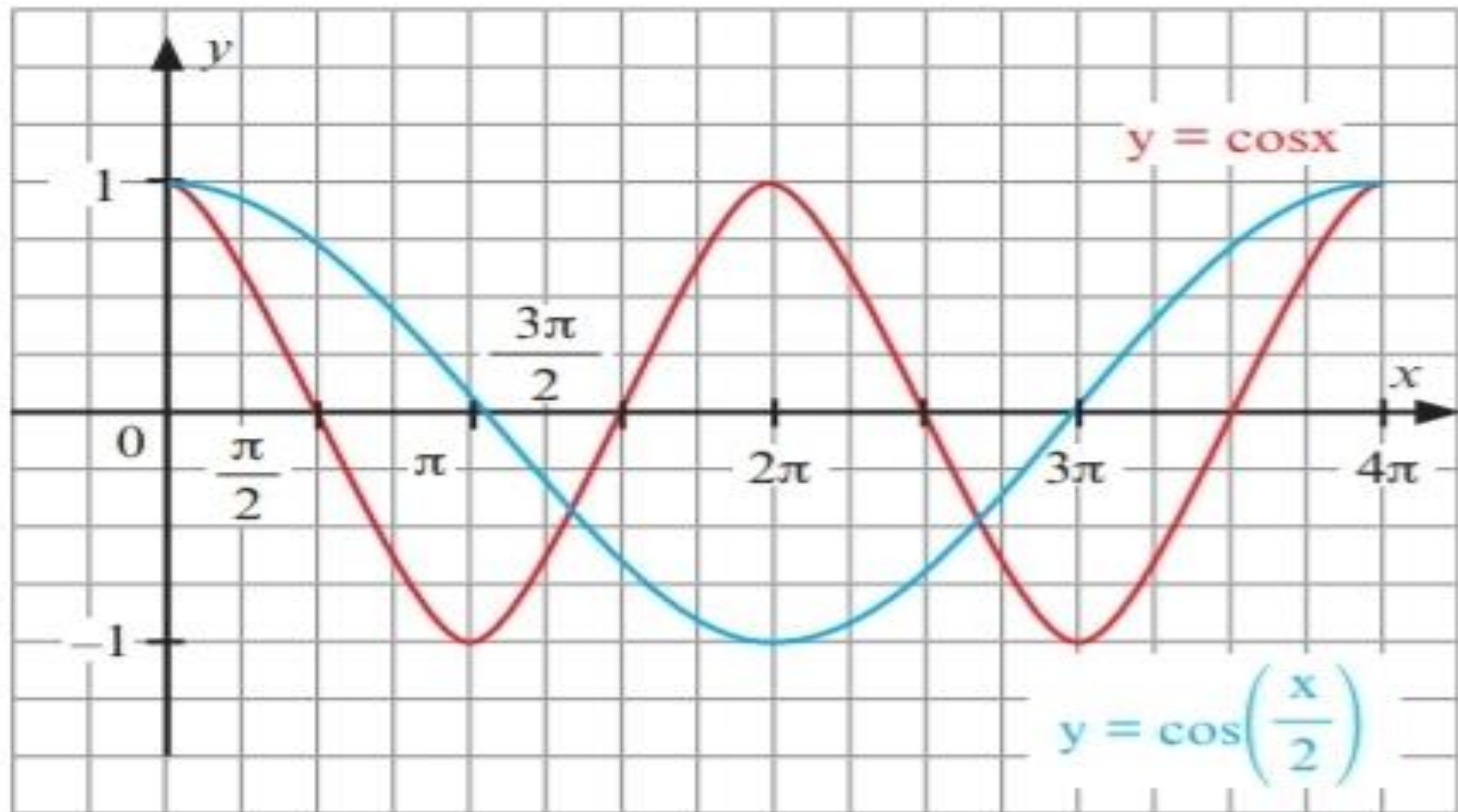


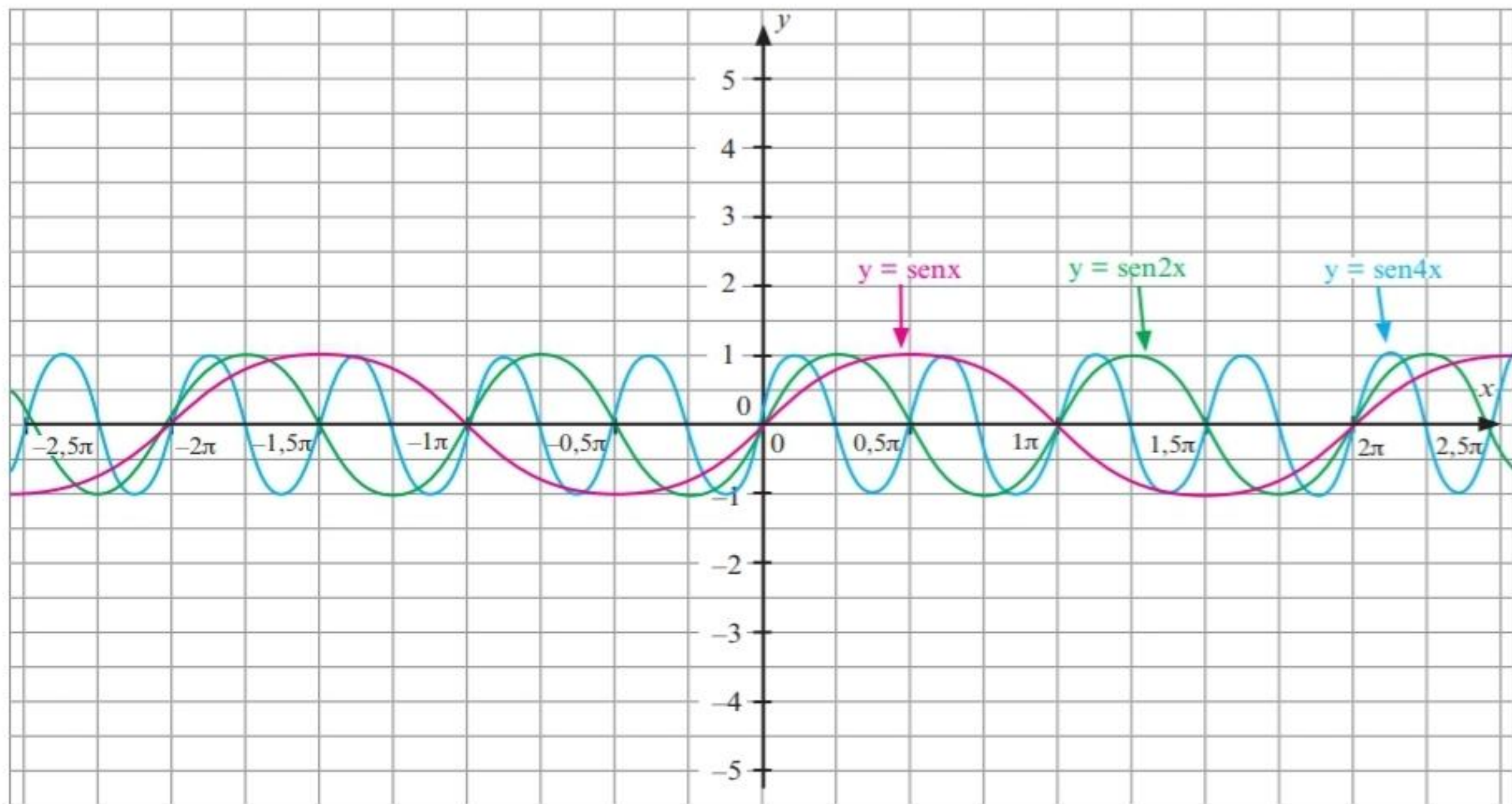


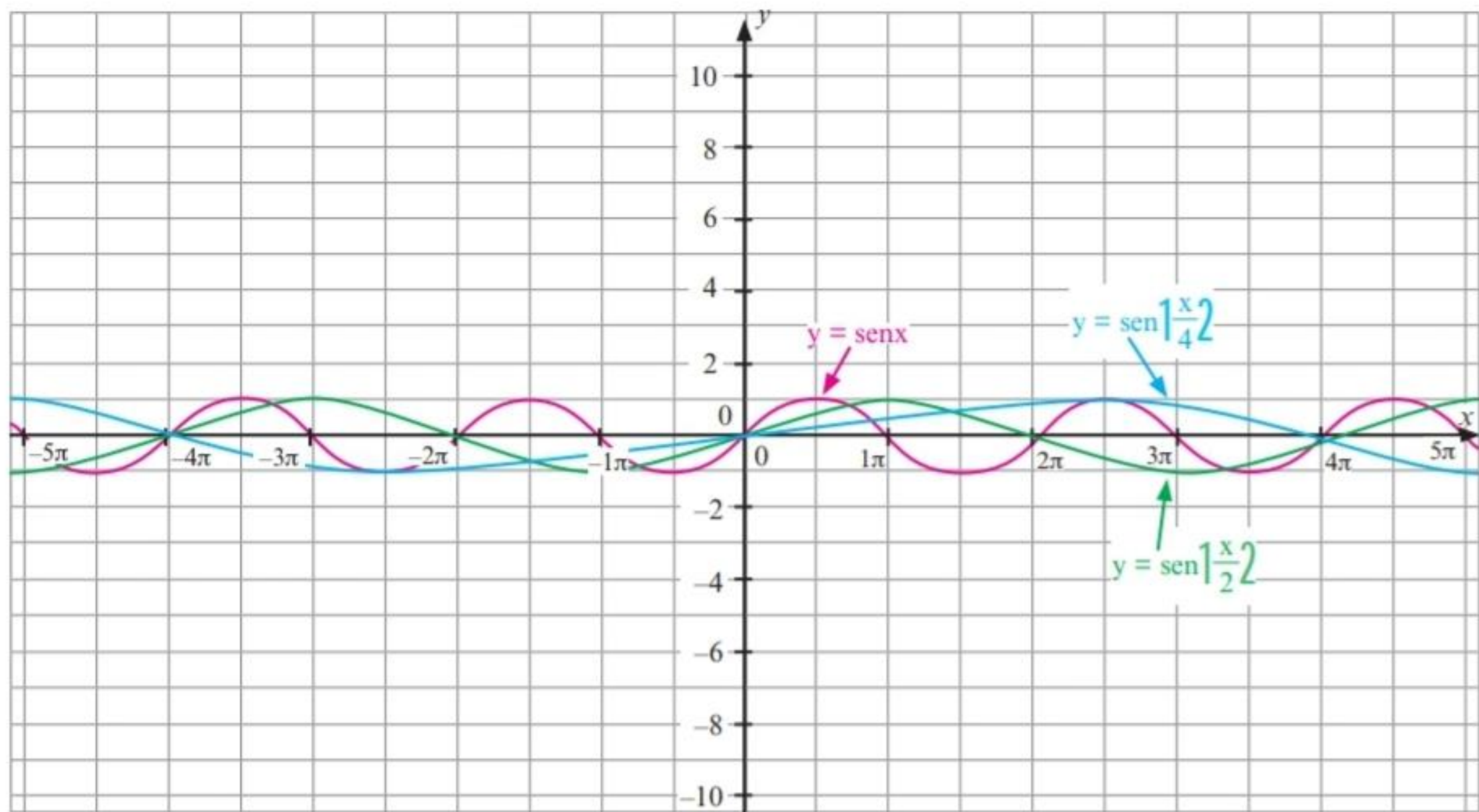


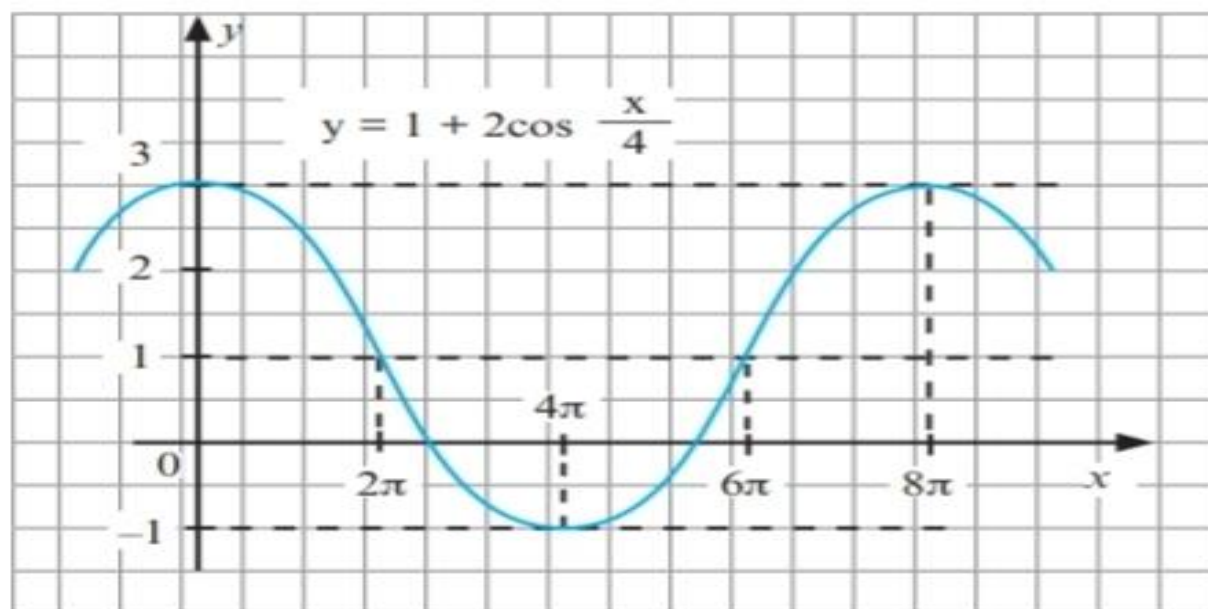
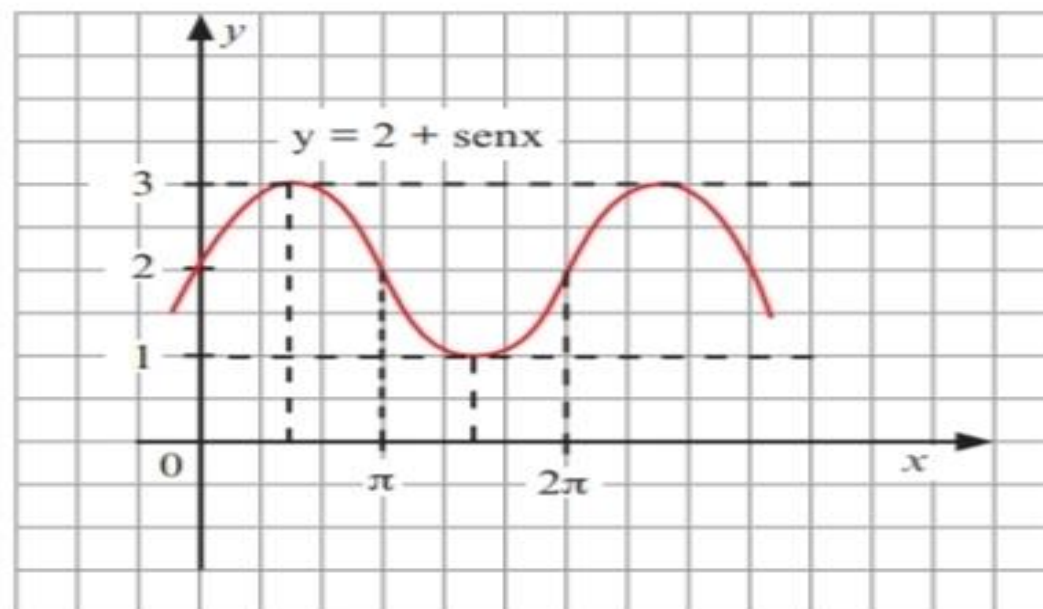


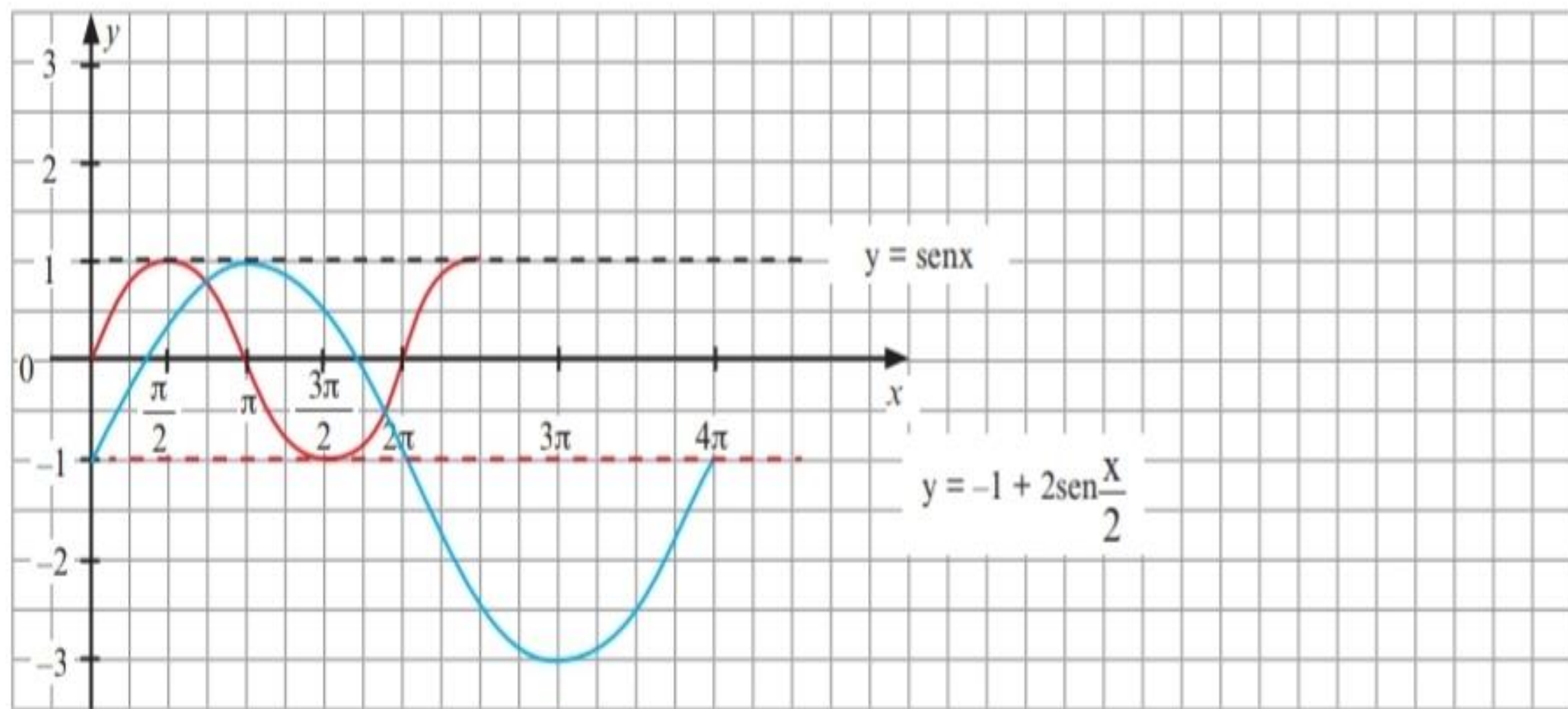
PERÍODO

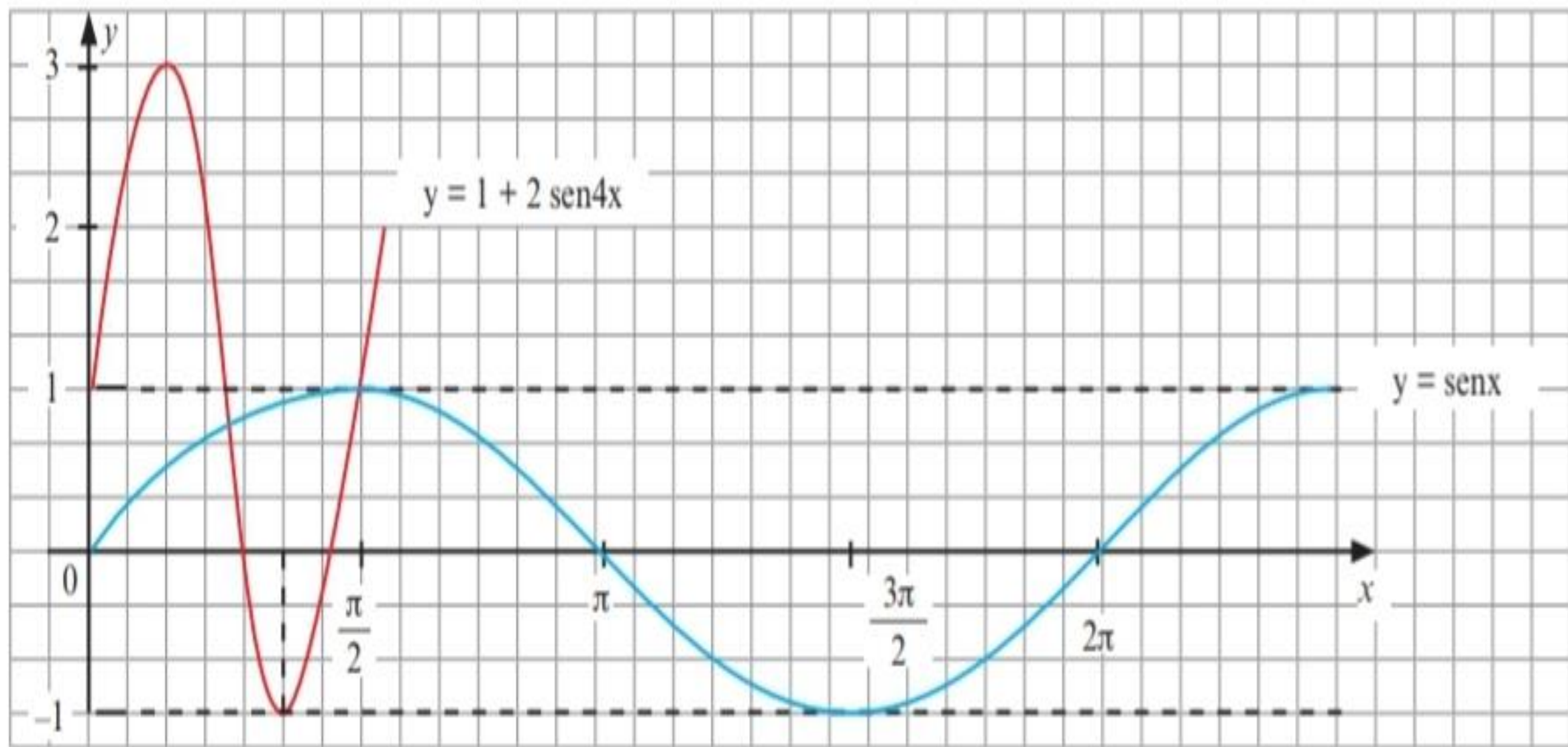


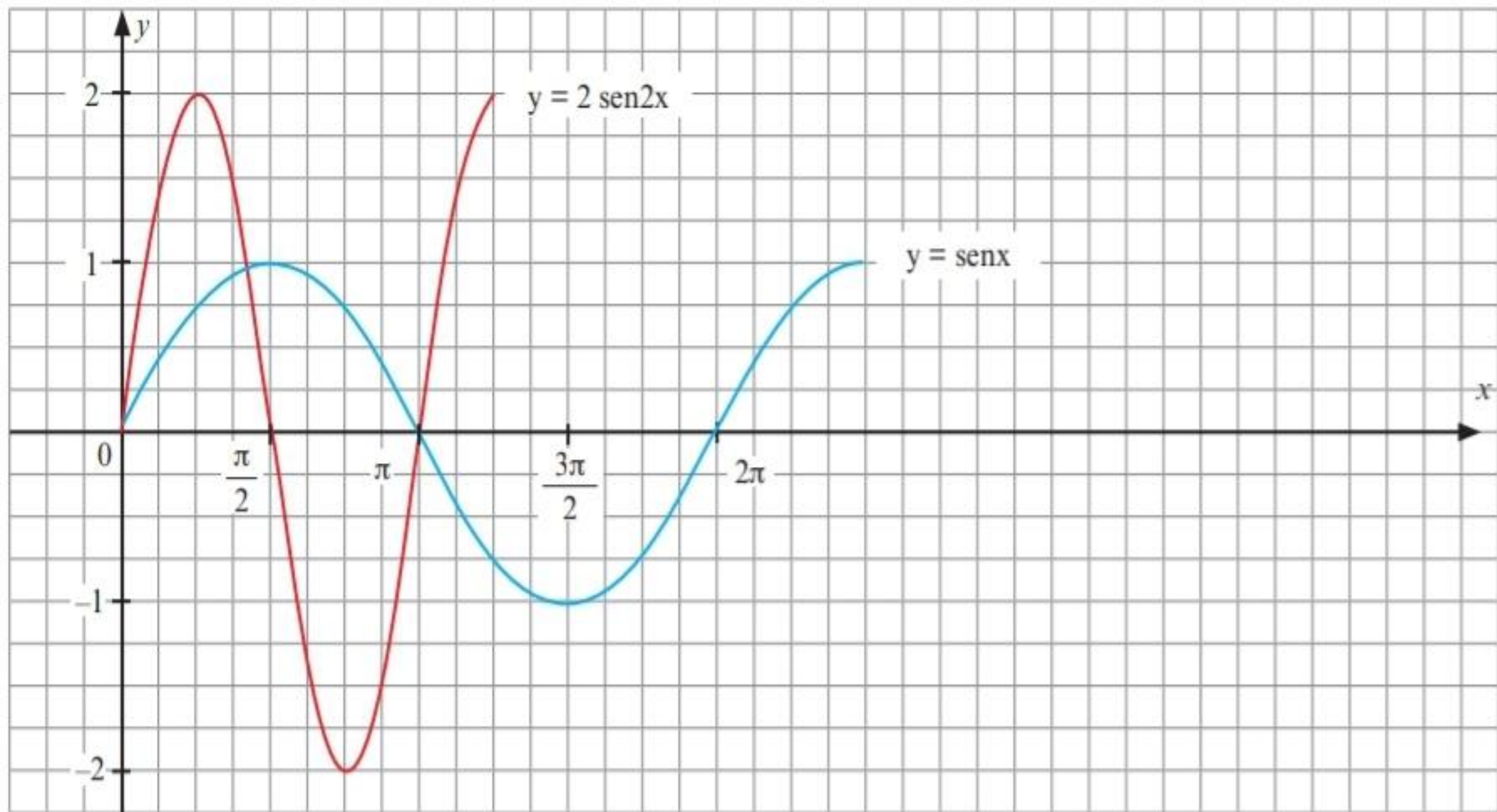


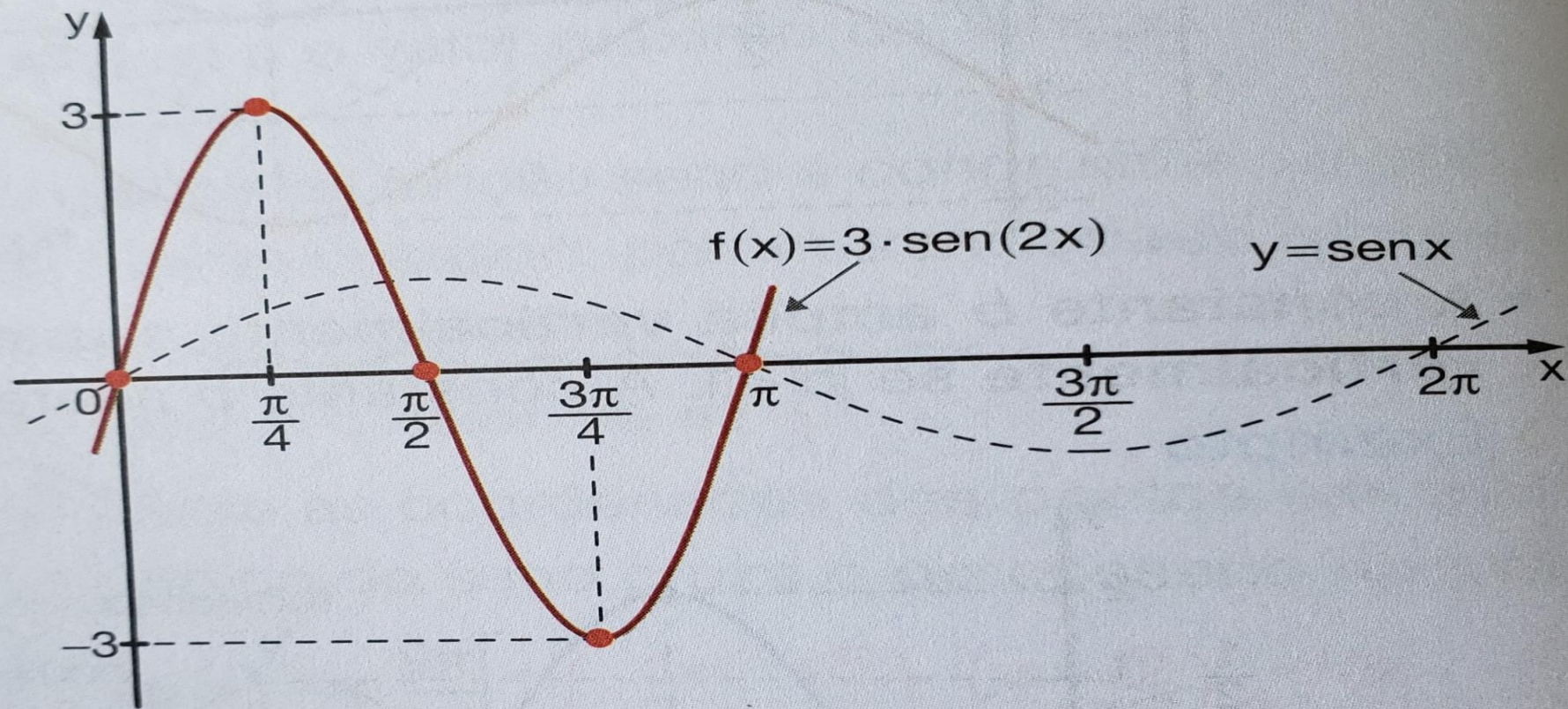










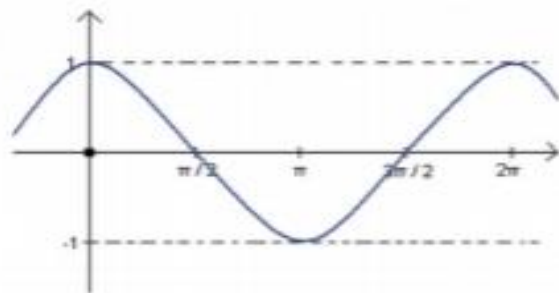


$$D(f) = \mathbb{R}, \text{Im}(f) = [-3, 3] \text{ e } p = \pi.$$

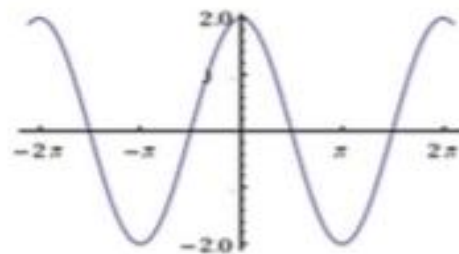
EXERCÍCIO 01

O gráfico da função $y = \sin x$ é:

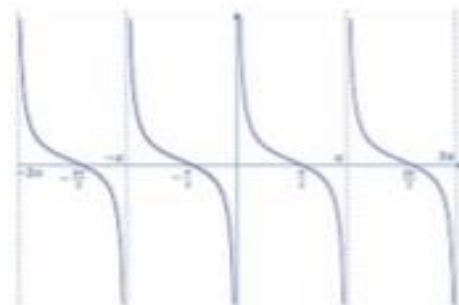
A)



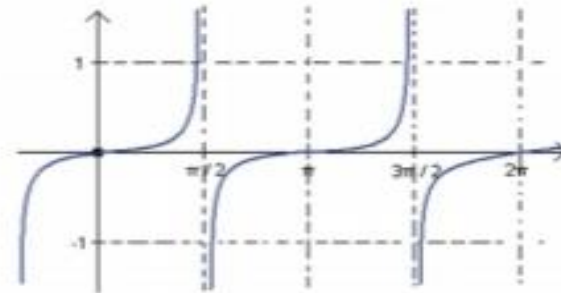
C)



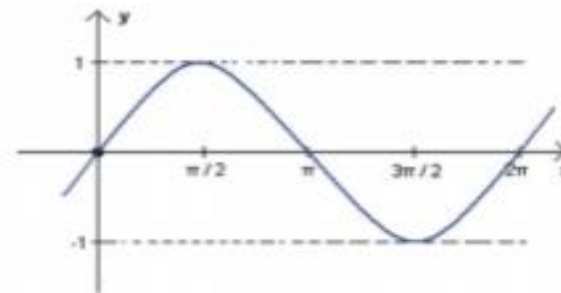
E)



B)

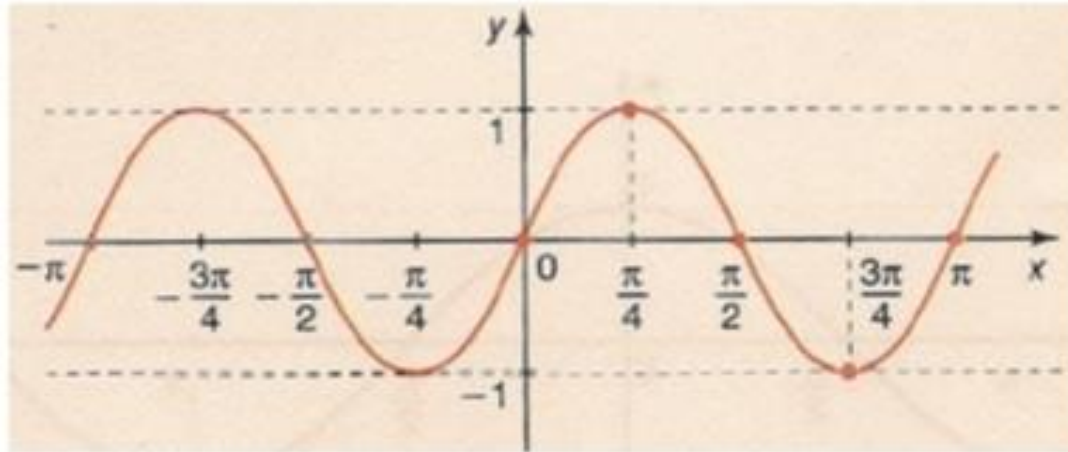


D)



EXERCÍCIO 02

Observe o gráfico a seguir:

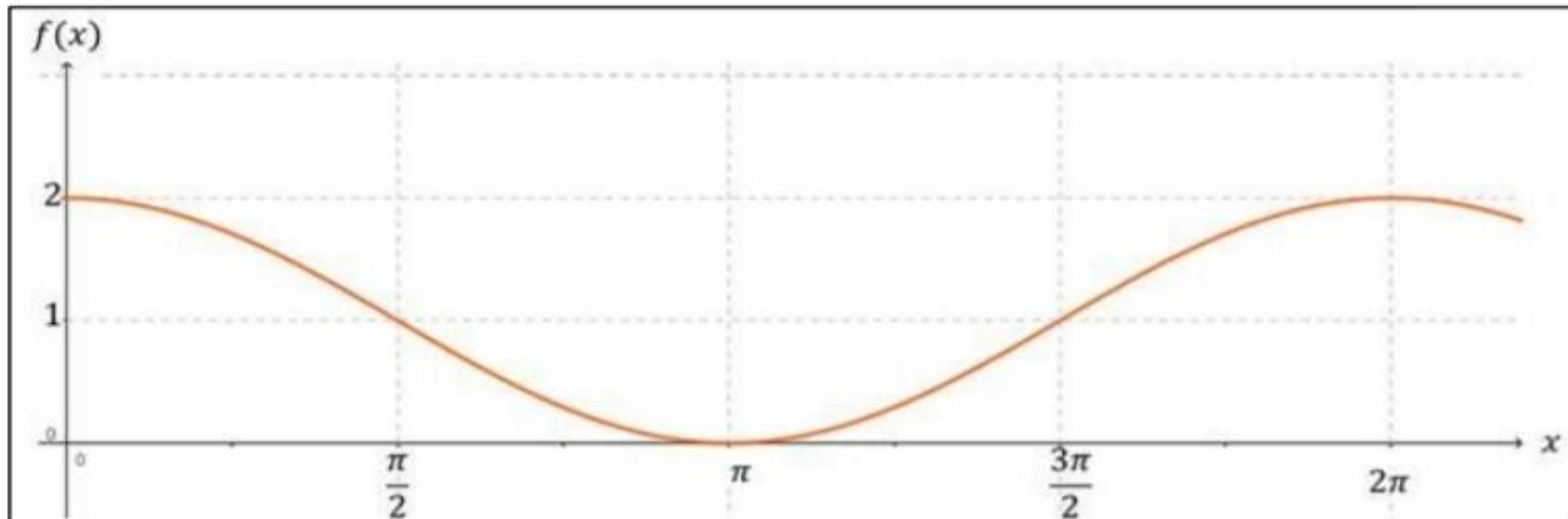


Ele corresponde à função:

- (A) $y = \text{sen } x$.
- (B) $y = \text{cos } x$.
- (C) $y = \text{sen } 2x$.
- (D) $y = \text{cos } 2x$.
- (E) $y = \text{tg } 2x$.

EXERCÍCIO 03

O gráfico a seguir representa uma função trigonométrica de $\mathbb{R}$ em $\mathbb{R}$.



Esta função é dada por:

- (A) $f(x) = 1 - \cos x$
- (B) $f(x) = 1 + \cos x$**
- (C) $f(x) = \cos (x-1)$
- (D) $f(x) = \cos (x+1)$