18. Os valores de x entre 0 e 2 π que satisfazem a igualdade sen2x = senx são

A) $\frac{\pi}{3}, \frac{2\pi}{3}, \frac{4\pi}{3}$.

B) $\frac{\pi}{4}, \frac{2\pi}{3}, \frac{4\pi}{5}$.

C) $\frac{\pi}{3}, \pi, \frac{5\pi}{3}$.

D) $\frac{\pi}{5}, \frac{2\pi}{3}, \frac{4\pi}{7}$.

Assunto: Trigonometria

sen 2x = sen x

2 . sen x . cos x = sen x

2 . sen x . cos x – senx = 0

sen x . (2 . cos x – 1) = 0

sen x = 0 ou 2 . cos x – 1 = 0

sen x = 0 ou cos x = $\frac{1}{2}$

x = π ou x = $\frac{\pi}{3}$ ou x = $\frac{5\pi}{3}$

Item: C