

Answer on Question #50935 – Math – Integral Calculus

Integrate with respect to x : $\int \sin x \, dx$

Solution.

$$\int \sin x \, dx = -\cos x + C, \quad C \in \mathbb{R}.$$

Check: $\frac{d}{dx}(-\cos x + C) = -(-\sin x) + 0 = \sin x.$

Answer: $-\cos x + C, \quad C \in \mathbb{R}.$