

47072, Math, Differential Calculus

Find the $\frac{dy}{dx}$, if $y = (\sin x)^{-1}$

Solution:

$$y' = ((\sin x)^{-1})' = -\frac{1}{(\sin x)^2} \cdot \cos x = (\cot x) \cdot (\csc x)$$

Answer: $(\cot x) \cdot (\csc x)$

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