

By: Amulya Baniya

Evaluate $\int_0^{\frac{3\pi}{2}} y \operatorname{cosec}^2(y) dy$

HINT: When solving problems related to definite integrals, the first step is to check if all the conditions to use Fundamental Theorem of Calculus are met or not. This question is an example where one of the condition (**Continuity condition**) is not met.