



## Question

True or False: If  $\mathcal{R} = [0, 1] \times [0, 1]$ , then

$$\iint_{\mathcal{R}} e^{-x^2-y^2} dA = \left( \int_0^1 e^{-t^2} dt \right)^2.$$

- A. True, and I am confident
- B. True, but I am not confident.
- C. False, but I am not confident.
- D. False, and I am confident.