

ANSWER KEY

1st Amherst Quant Competition 2025 Chapter of



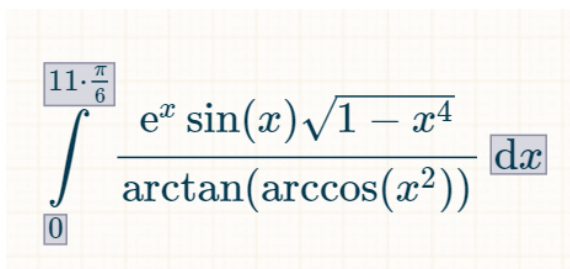
Estimathon® is a competition sponsored and designed in its entirety by:



Hosted by:



1. The highest total number of runs scored by any team in a given match at the 2019 ICC Cricket World Cup. [397](#)
2. Operating Expenses of Amherst College in FY 2024. [275036517](#)
3. The number of integers between 1 and 1 billion that can be represented as the product of a palindrome and a perfect square. [735041](#)
4. The standard boiling point of oxygen, in degrees Kelvin. [90.19](#)
5. The current distance between Mercury and Mars, in kilometers. [170030000](#)
6. The number of US dimes minted in 2022. [3134000000](#)
7. The ratio: (volume / average orbit distance) of Jupiter as per NASA. [709998.73](#)
8. The number of followers that Virat Kohli has on Instagram. [270262287](#)
9. The number of Tesla Supercharger ports in the US. [29601](#)
10. The total number of commercial pools in the US. [309000](#)



$$\int_0^{11 \cdot \frac{\pi}{6}} \frac{e^x \sin(x) \sqrt{1 - x^4}}{\arctan(\arccos(x^2))} dx$$

11. [modulus is 2022957.523](#)
12. Percentage increase in Total Ad Revenue from 2003 to 2024 Super Bowl. [399.616](#)
13. Total value (USD) of library books at Amherst College in FY'20. [33152046](#)