

Answer on Question #63789 – Math – Calculus

Question

Antiderivative of $(\sec^2(4)x+1)dx$.

Solution

$$\int(\sec^2(4)x + 1)dx = \sec^2(4) \cdot \int xdx + \int 1dx = \frac{\sec^2(4) \cdot x^2}{2} + x + C,$$

where C is an integration constant.

Answer: $\frac{\sec^2(4) \cdot x^2}{2} + x + C.$