

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