
Name: _____

1. $\int (1 + \sin(x))^2 \cos(x) dx =$

2. $\int \frac{\sin(2x)}{\cos^5(2x)} dx =$

3. $\int_0^1 (1 + x^2)^3 2x dx =$

4. Find the area under the graph of $\sec^2(2x)$ between $x=0$ and $x=\pi/8$.

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1. $\int e^{x^2+x}(2x+1) dx =$

2. $\int \frac{\cos(\sqrt{x})}{\sqrt{x}} dx =$

3. $\int_{-1}^0 \sqrt{1+x} dx =$

4. Find the area under the graph of $\sec^2(2x)$ between $x=0$ and $x=\pi/8$.