1. $\displaystyle\int \sin\left(x^2 + x\right)(2x + 1)\,dx =$

2. $\displaystyle\int \frac{e^{\sqrt{x}}}{\sqrt{x}}\,dx =$

3. $\displaystyle\int_0^{\pi/2} \frac{\cos(x)}{\sin(x) + 1}\,dx =$

4. $\displaystyle\int_0^1 \left(x^2 + 1\right)^3 x\,dx =$

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

2. $\displaystyle\int \frac{\ln(2x+1)}{2x+1}\,dx =$

3. $\displaystyle\int_0^{\sqrt{\pi/4}} \sec^2\left(x^2\right) x\,dx =$

4. $\displaystyle\int_1^3 \frac{3x^2+2x+1}{x^3+x^2+x}\,dx =$

1. $\displaystyle\int \sec^2\left(x^2 + x\right)(2x + 1)\, dx =$

2. $\displaystyle\int \frac{\cos\left(3\ln|x|\right)}{x}\, dx =$

3. $\displaystyle\int_0^3 \left(x^2 - 4x + 1\right)^3 (2x - 4)\, dx =$

4. $\displaystyle\int_0^1 \frac{2x + 1}{3x^2 + 3x + 1}\, dx =$

1. $\displaystyle\int \sec\left(x^2 + x\right) \tan\left(x^2 + x\right) (2x + 1)\, dx =$

2. $\displaystyle\int \frac{e^{1/x}}{x^2}\, dx =$

3. $\displaystyle\int_{-1}^{0} \frac{x}{1 + x^2}\, dx =$

4. $\displaystyle\int_{0}^{\pi/2} \sin(x) \cos(x)\, dx =$