

4.6
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$$\int_0^1 \frac{2x+1}{x+1} dx = \int_0^1 \left(2x^2 - 2x + 2 - \frac{1}{x+1} \right) dx = \left. \frac{2x^3}{3} - x^2 + 2x - \ln|x+1| \right|_0^1 =$$

\downarrow
P/N, 1/1, 1, 1/1

$$= \frac{2}{3} - 1 + 2 - \ln 2 = \frac{5}{3} - \ln 2$$