

$$\frac{2.57}{k4} \textcircled{I} \int_{-1}^1 \frac{2x+3}{x+2} dx = \int_{-1}^1 \frac{2(x+2)-1}{x+2} dx = \int_{-1}^1 \left(2 - \frac{1}{x+2}\right) dx =$$

$$2x - \ln|x+2| \Big|_{-1}^1 = (2 - \ln 3) - (-2 - \ln 1) = 4 - \ln 3$$