2.79
≥3

$$\int_0^2 \frac{(x-1)^2}{x+1}\,dx = \int_0^2 \frac{x^2-2x+1}{x+1}\,dx = \int_0^2 \left(\frac{x^2+2x+1}{x+1} - \frac{4x}{x+1}\right)dx =$$

$$\int_0^2 \left(x+1 - \frac{4(x+1)}{x+1} + \frac{4}{x+1}\right)dx = \int_0^2 \left(x+1-4+\frac{4}{x+1}\right)dx = \frac{x^2}{2} - 3x + 4\ln|x+1|\Big|_0^2 =$$

$$=(2-6+4\ln 3)-(0-0+4\ln 1) = 4\ln 3 - 4$$