2.55 (11) $\int_{-2}^{0} \frac{x}{3x-1}\,dx = \int_{-2}^{0} \frac{\frac{1}{3}(3x-1)+\frac{1}{3}}{3x-1}\,dx = \int_{-2}^{0} \left(\frac{1}{3} + \frac{1}{3}\cdot\frac{1}{3x-1}\right)dx =$

$\frac{1}{3}x + \frac{1}{3}\,\frac{\ln|3x-1|}{3}\Big|_{-2}^{0} = 0 - \left(\frac{-2}{3} + \frac{1}{9}\cdot\ln 7\right) = \frac{2}{3} - \frac{\ln 7}{9}$