Aufgaden 5.3 5) 3fcoldx = -4, \(\int \) f(x) dx = 6, \(\int \) g(x) dx = 8

d) I finde un deur when mos on I fiel subballe 6 - (-1) = 10

$$\frac{1}{3} \left(\frac{x}{2} + 3 \right) dx = \left| \frac{x^{2}}{4} + 3x \right|^{4} = \left(\frac{4^{2}}{4} + 3 \cdot 4 \right) - \left(\frac{(-1)^{2}}{4} + 3 \cdot (-1) \right) = 21$$

$$+ \left[\frac{6 \cdot 3}{2} + \frac{6 \cdot 3}{2} \right] = 11 + 3 = 11$$

$$- \left[\frac{3}{4} + \frac{$$

$$\int_{-1}^{1} |x| dx = \left| \frac{x^{2}}{2} - \left(-\frac{x^{2}}{2} \right) \right|_{-1}^{1} = \left(\frac{1}{2} + \frac{1}{2} \right) - \left(\frac{(-v)^{2}}{2} + \frac{t^{3}}{2} \right) = 0$$