$$\int_{-2}^{2} x \, dx$$

$$\frac{x^2}{2}\Big|_{-2}^{2} = \frac{2^2}{2} - \frac{(-2)^2}{2} = \frac{8}{2}$$

$$\frac{8-4}{2} = \frac{4}{2} = 2$$

$$4 \times 2 + \frac{1}{2} \, 2 \times 2^2$$

$$8 + 1 \times 4$$

$$8 + 4$$

$$12$$

$$\frac{20-17}{4} = \frac{3}{4} = 0{,}75$$

$$17 \times 0 + \tfrac{1}{2} 0{,}75 \times 4^2$$

$$74$$

$$\int_{-2}^{6} -\frac{x^2}{4} + 3 \, dx$$