

Integral Aufgabe 1

$$f(x) = x^2 + 4x$$

Nullstellen:

$$x(x + 4) = 0$$

$$x_1 = 0$$

$$x + 4 = 0 \quad | -4$$

$$x_2 = -4$$

$$A = \int_{-4}^0 f(x) dx = \int_{-4}^0 (x^2 + 4x) dx = \left| \frac{x^3}{3} + 2x^2 \right|_{-4}^0 = | -(-21,33 + 32) | =$$

$$A = 10,67$$

