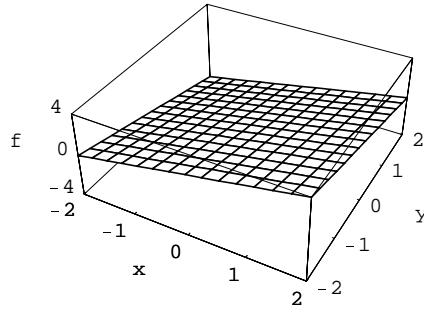
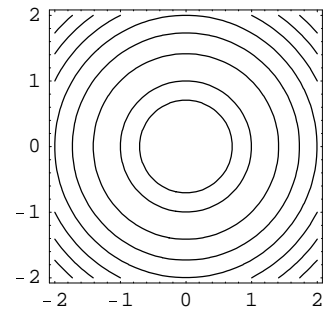
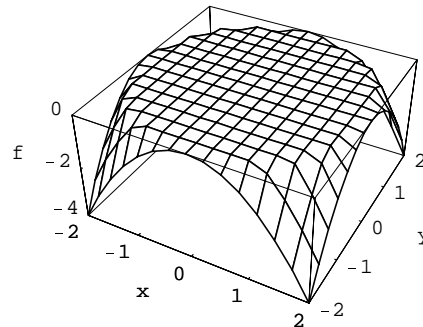
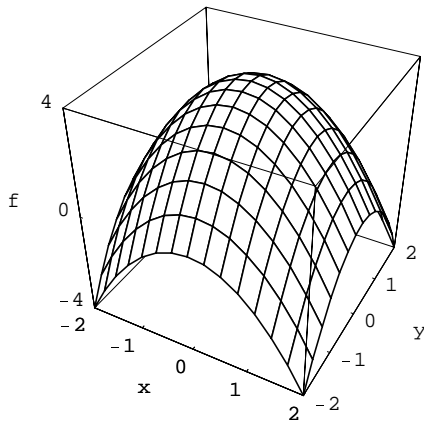


# Übersicht: Graphische Darstellung von Funktionen im $\mathbb{R}^3$

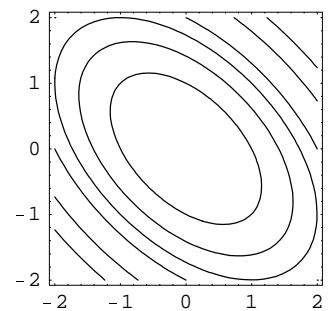
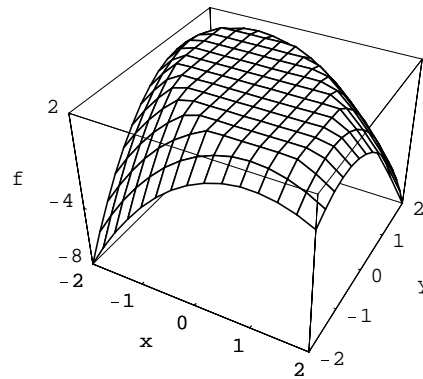
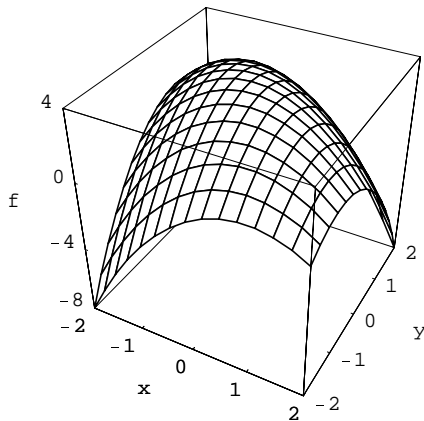
$$f(x, y) = x - y$$



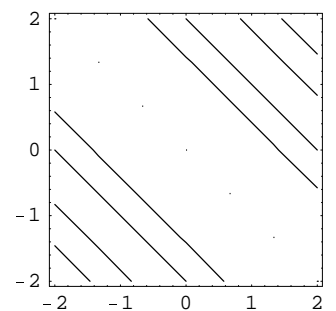
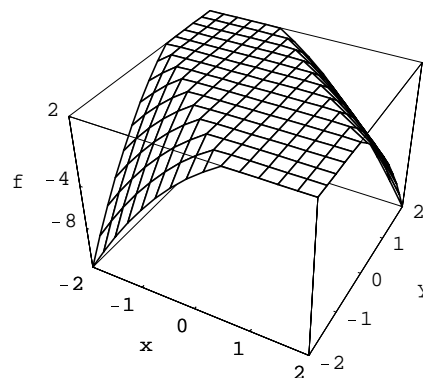
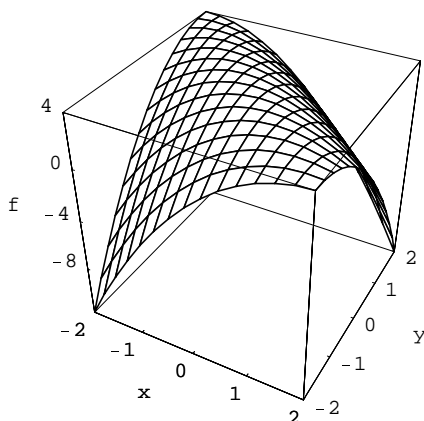
$$f(x, y) = -x^2 - y^2 + 4$$



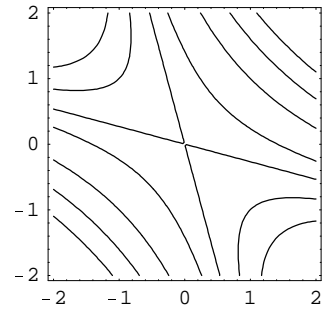
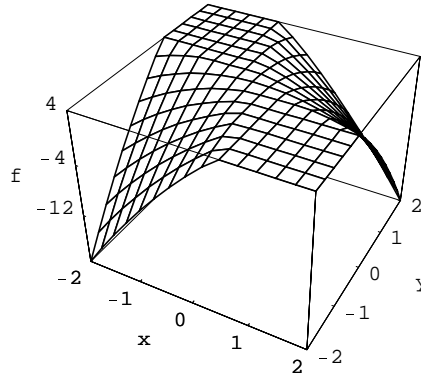
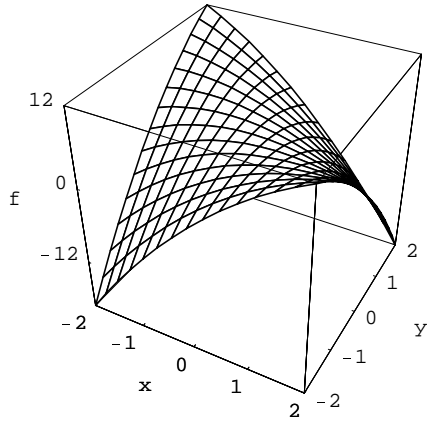
$$f(x, y) = -x^2 - y^2 - xy + 4$$



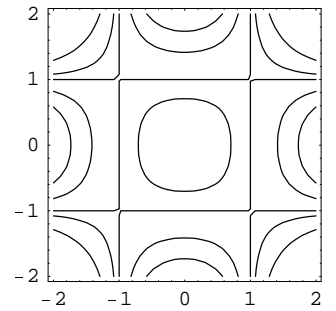
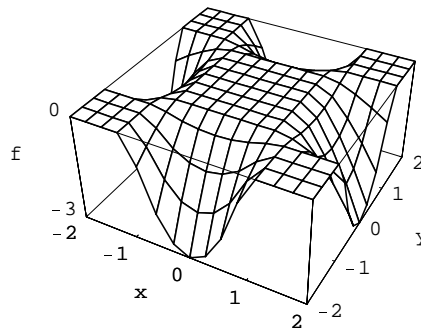
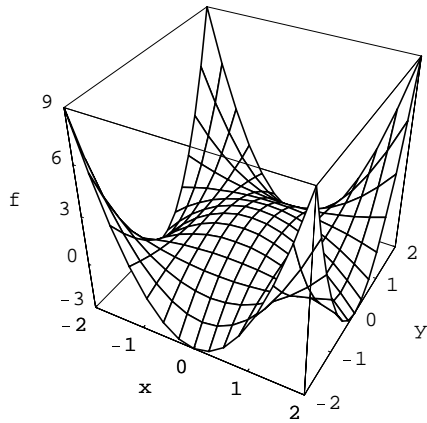
$$f(x, y) = -x^2 - y^2 - 2xy + 4$$



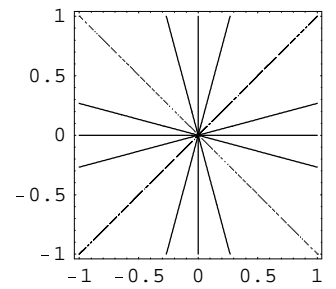
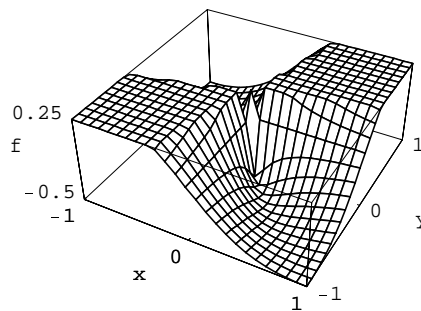
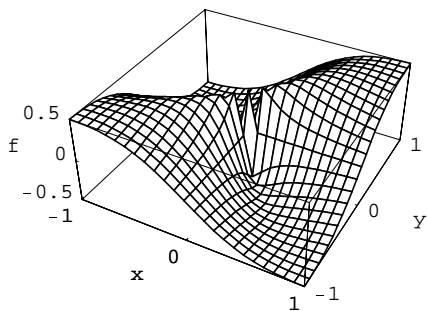
$$f(x, y) = -x^2 - y^2 - 4xy + 4$$



$$f(x, y) = (x^2 - 1) \cdot (y^2 - 1)$$



$$f(x, y) = \frac{xy}{x^2 + y^2}$$



$$f(x, y) = x^{1/3} \cdot y^{2/3}$$

