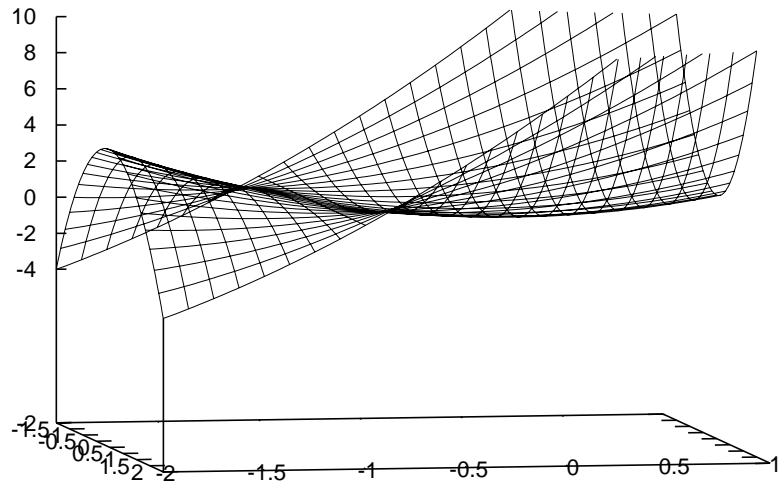


$$2*x*x*y+y*y+2*x*x$$



$$2*x*x*y+y*y+2*x*x$$

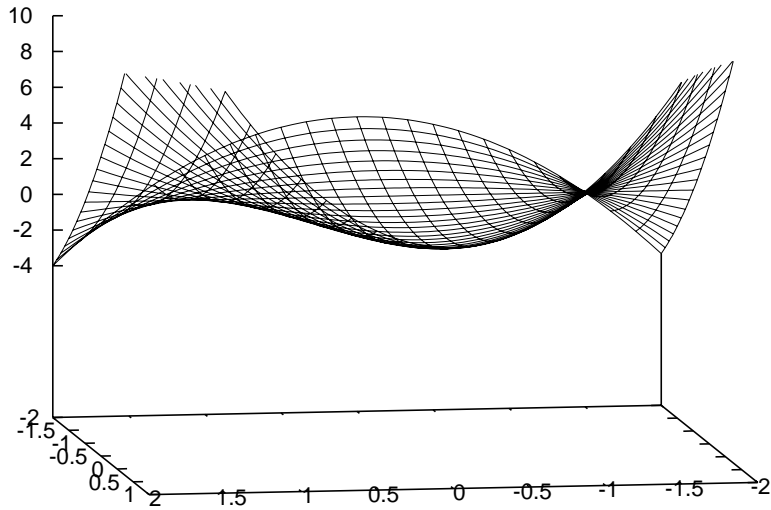
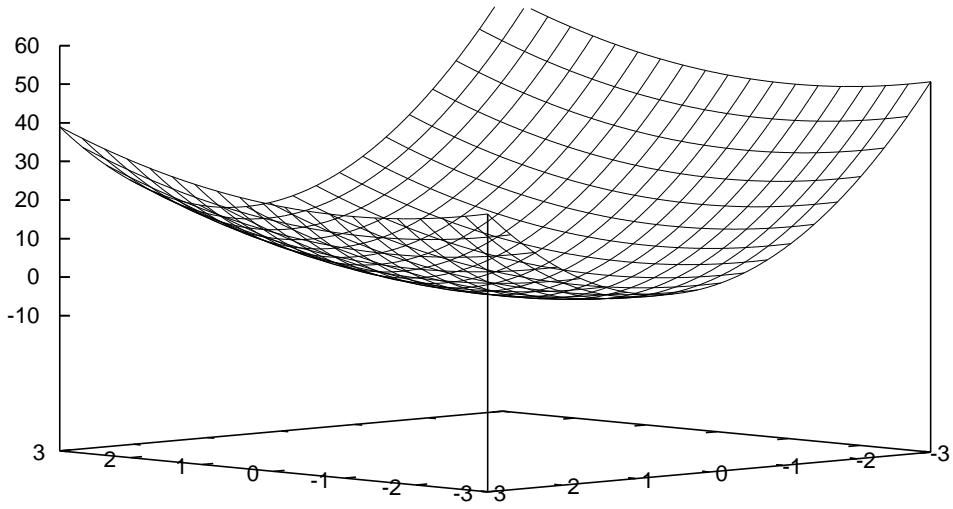


FIG. 1 - $f_1(x, y) = 2x^2y + y^2 + 2x^2$ (exercice 6)

$$x^{**2}+4*y^{**2}+2*x-4*y$$



$$x^{**2}+4*y^{**2}+2*x-4*y$$

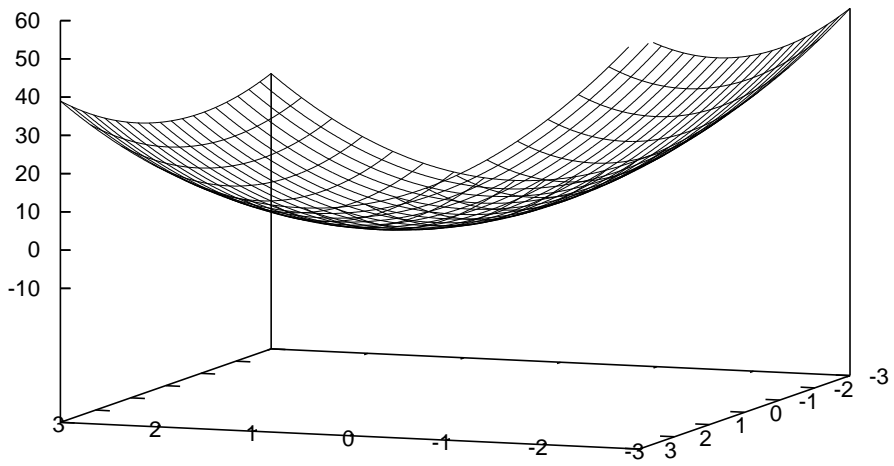
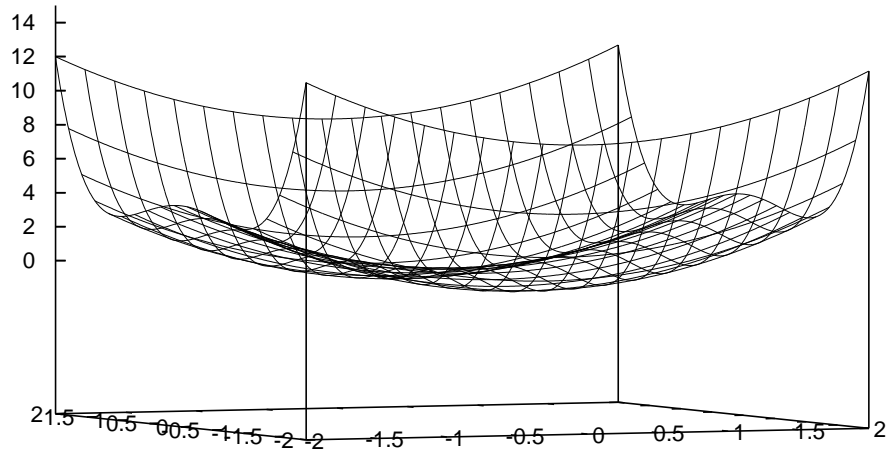


FIG. 2 - $f_2(x, y) = x^2 + 4y^2 + 2x - 4y$ (exercice 7)

$$x^2 + y^4 - 2y^2$$



$$x^2 + y^4 - 2y^2$$

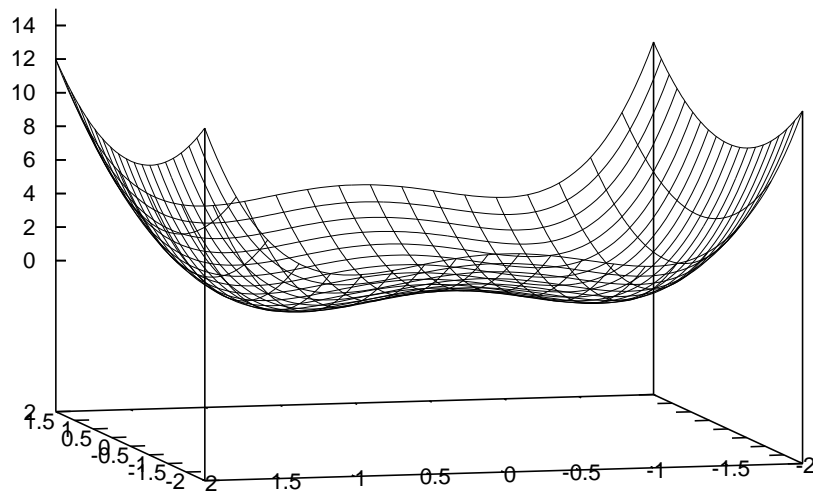
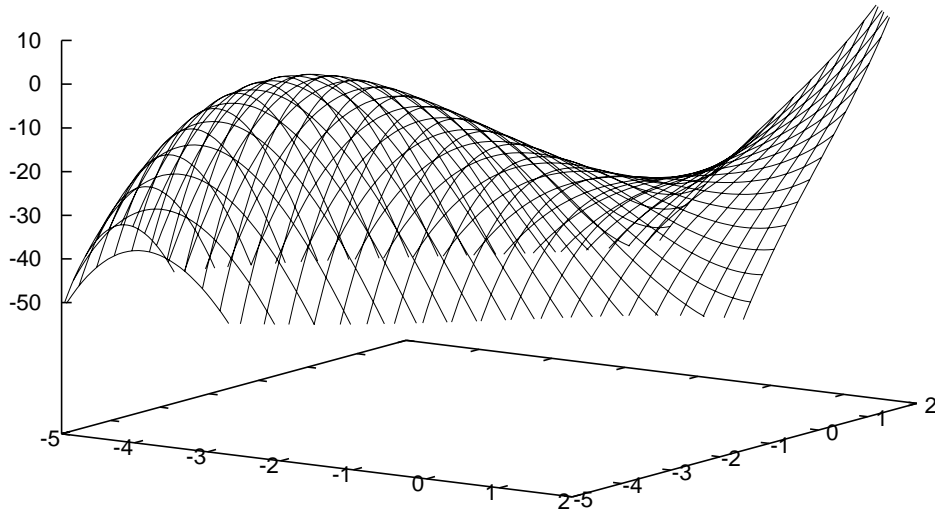


FIG. 3 - $f(x, y) = x^2 + y^4 - 2y^2$ (exercice 7)

$$x^3+y^3+9xy-27$$



$$x^3+y^3+9xy-27$$

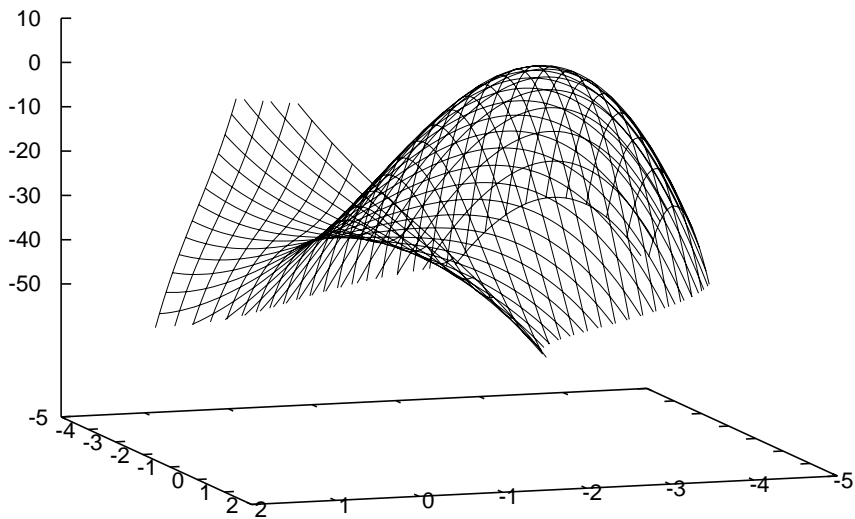


FIG. 4 - $f(x,y) = x^3 + y^3 + 9xy - 3^3$ (exercice 7)