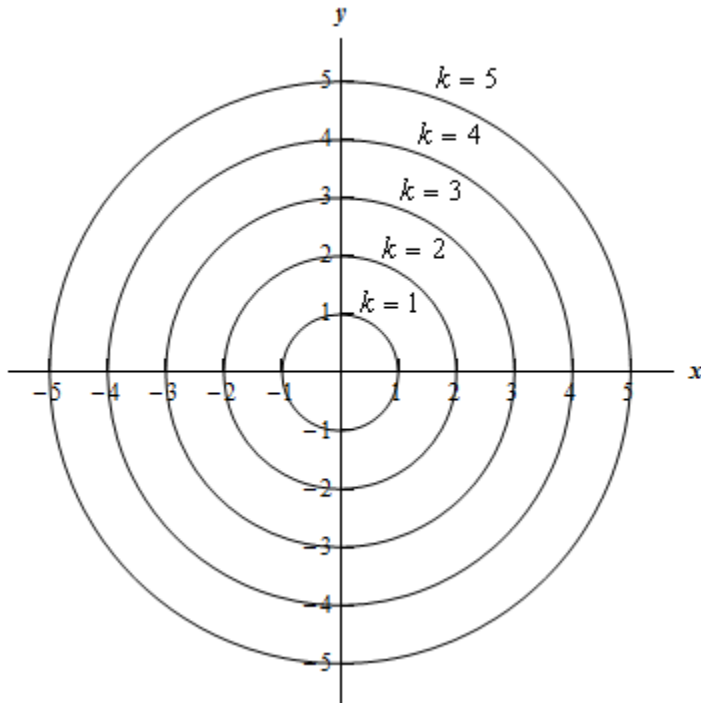
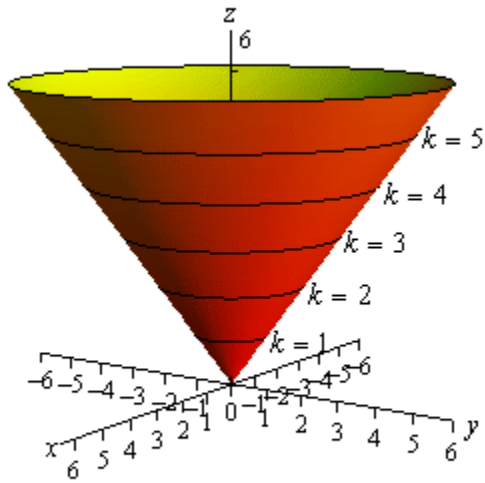
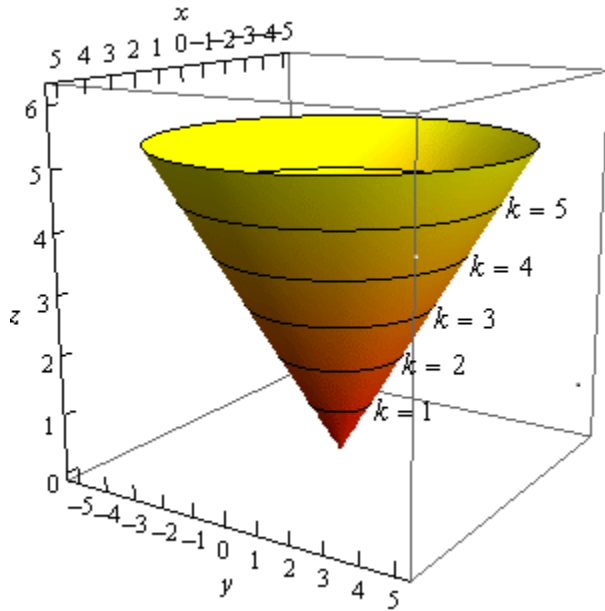
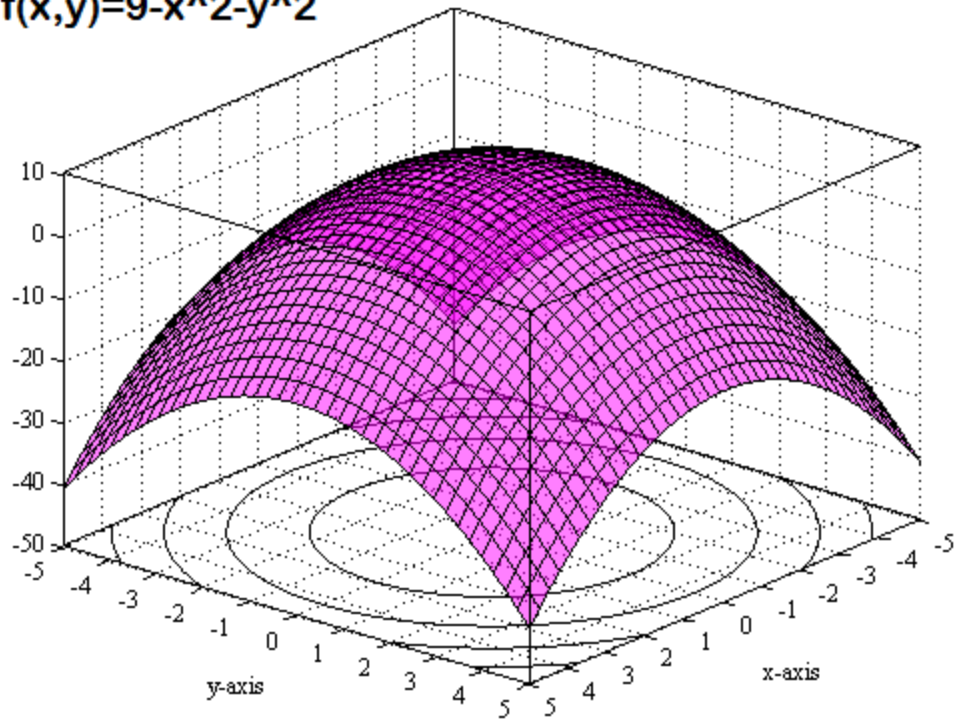


Jan 21, 2014 –MATH2850

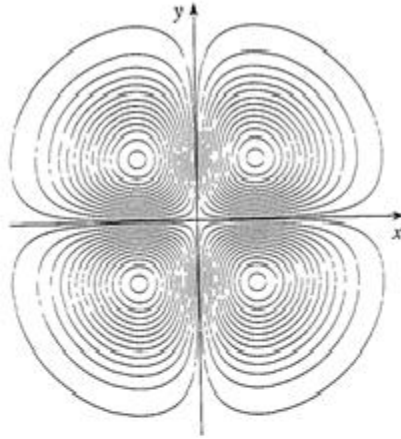
$$F(x,y)=\sqrt{x^2 + y^2}$$



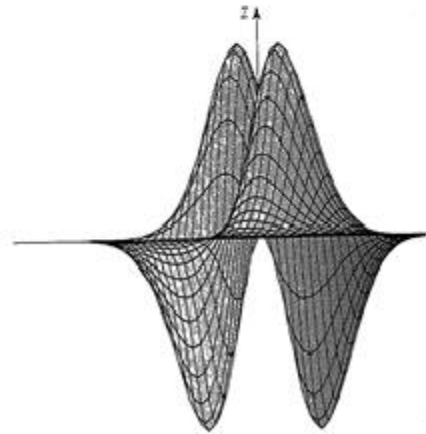
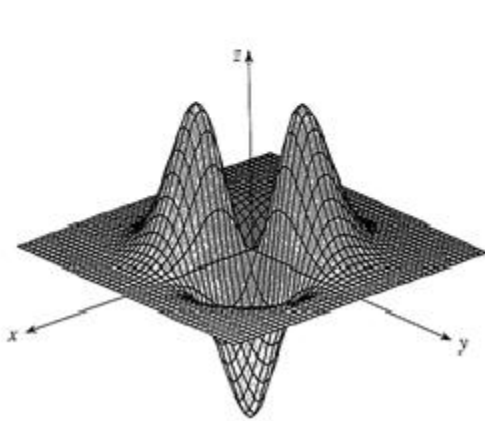
$$f(x,y)=9-x^2-y^2$$



$$F(x,y) = -xy \exp(-x^2 - y^2)$$



(a) Level curves of  $f(x,y) = -xye^{-x^2-y^2}$



$$F(x,y) = \frac{-3y}{x^2 + y^2 + 1}$$

