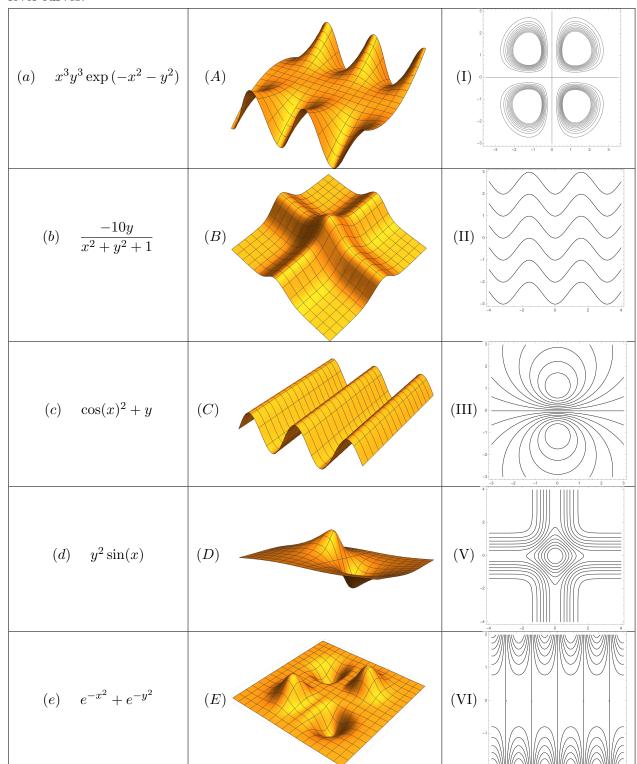
1. [10 pts] Consider the following table of functions f(x, y), their graphs, and their level curves. On the following page, fill out the table provided by matching the functions with their graphs and level curves.



By filling in the table below, correctly match these functions, graphs, and level curves.

Function	Graph	Level Curves
$x^3y^3\exp\left(-x^2-y^2\right)$		
$\frac{-10y}{x^2 + y^2 + 1}$		
$\cos(x)^2 + y$		
$y^2\sin(x)$		
$e^{-x^2} + e^{-y^2}$		