## Math 8

## Assignment 7

Due: Start of class on Friday May 21.

This problem is simple... or is it?
Just find all of the points, $(x, y)$, where the tangent plane of the surface

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

is horizontal.

As always, present your solution and reasoning clearly. Use complete sentences and diagrams or graphs as needed.

