Quiz 1   Calc 3   Due 10/4/17

You may communicate with others about this problem, but all work you turn in should be your own and done without reference to any materials from others. Justify all your work for full credit. 5 points possible

Find all critical points of $p(x, y) = 36xy\, e^{-2x - 3y}$ and classify them as maxima, minima, or saddle points.