

Quiz 4

MAC 2302/3305

Fall 2008

Full Name: _____

Score: _____

Show all of your work for full credit.

1. Determine which of the two equations below are exact:

$$\begin{aligned}x^2y^3 + x(1 + y^2)y' &= 0 \\(ax - by) - (bx - cy)y' &= 0, a > 0, b > 0\end{aligned}$$

2. Solve the exact equation found in question 1