MAP 3306 eMath2   **Quiz 4**   5 Oct 2007   Name:

Directions: Show **ALL** work for credit; Give **EXACT** answers when possible; **SIMPLIFY** your answers;

1. Find the general solution to the PDE $u_{xy} + u_x + x = 0$ given that $u = u(x, y)$ is a function of two variables.