

MAP 3306 eMath2 **Quiz 4** 15 Jun 2007 Name: \_\_\_\_\_

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

1. Solve for  $u = u(x, y)$ , that is find the general solution to the PDE

$$u_{yy} = 4xu_y$$