

**MATH 385-X1 - DIFFERENTIAL
EQUATIONS: QUIZ 2**

FALL, 2004

Name : _____

Show all your work for full credit.

Find general solutions of the following homogeneous second-order linear differential equations with constant coefficients.

(1) $y'' + 3y' - 4y = 0$ [3pts]

(2) $2y'' + 2y' + y = 0$ [3pts]

(3) $y'' + 4y' + 4y = 0$ [3pts]