MTH 204 Quiz 3 9 Feb 2007 Name: Key

Section: B or C (circle one)

Read the directions carefully.

Write <u>neatly</u> in pencil and <u>show all your work</u>

(you will only get credit for what you put on paper).

You may use your homework solutions. Please do not share calculators during the quiz. If you get stuck, feel free to ask me for help.

LEAD: Thursdays, 5:00 - 7:00 PM CSF G5D

Exam 2: Friday, 16 February Sections 3.2 - 4.5 Use reduction of order to find a second linearly independent solution to the differential equation $x^2y''+9xy'+16y=0$, x>0; $y_1(x)=x^{-4}$. (NO POINTS for the integration formula)