MATH 323

Extra Problem for Homework 13

Find the indicial equation and the exponents for the singularity $x = 0$:

$$2x^2\, y'' + 3x\, y' + (2\,x^2 - 1)\, y = 0$$

$$x^2\, y'' - x(x + 3)\, y' + (x + 3)\, y = 0$$