Consider

\[(0.1) \quad x^2 y'' + 5xy' + 4y = 0.\]

Find a non-zero solution \(y_1\) of Equation 0.1 of the form \(x^r\). Then using reduction of order, find a solution \(y_2\) of Equation 0.1 such that \(\{y_1, y_2\}\) is a fundamental pair of solutions.