Exercise 1 (8 points)
Solve the differential equation: \( x^2 y'' + xy' + 9y = 0 \)

Exercise 2 (12 points)
Solve the differential equation: \( y^{(4)} - 4y'' = 5x^2 - e^{2x} \)
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Solve the differential equation: \( y^{(4)} - 4y'' = 5x^2 - e^{2x} \)

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