

QUIZ-5th

日河工 2B

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- 1) Solve the differential equation $y'' + y = 0$ for all x and perform the Wronskian test
- 2) Solve the initial value problem $x^2 y'' - 5xy' + 10y = 0$; $y(1) = 4$, $y'(1) = -6$
- 3) Solve $y'' - 6y' + 9y = 5e^{3x}$