

MATH 361 Quiz 6**Name:**

Show all work. 5 points each.

1. Solve the differential equation $x^2y'' - 2y = 0$.

2. Find the Green's function for $y'' - 4y = e^{2x}$, $y(0) = 0$, $y'(0) = 0$. and set up the integral for finding y_p .