1. Use of cell phones is NOT allowed.
2. Answers without supporting work will NOT be given credit.
3. You have **30 minutes** to complete this quiz.

**Name:**

**Serial:**

1. Solve the DE

$$x^2 y'' - 2xy' + 2y = 6x^2 + 4\ln x, \qquad x > 0$$

2. Solve the DE

$$y^{(5)} - y''' = e^x + 2x^2 + 5$$

**Dr. Khalid Alanezy**