

Name: _____

1. Assume $y = \sum_{n=0}^{\infty} a_n X^n$ is a solution of the differential equation $y'' - xy' - 2y = 0$. Find the occurrence relation for the coefficients. Find also the first six terms (that is, up to the power x^5) in each of two linearly independent solutions.

Answer: _____

Sign the pledge "On my honor, I have neither given nor received unauthorized aid on this quiz."

Signature: _____