Name:
Section:

1. Find the solution to the initial value problem

$$
y^{\prime \prime}-4 y^{\prime}+4 y=0, \quad y(0)=2, \quad y(1)=4
$$

2. Find the general solution to the following differential equation:

$$
y^{\prime \prime}+2 y^{\prime}+2 y=0
$$

