

Name:

Solve the following initial value problems.

1.

$$\begin{aligned}4y'' - 4y' + y &= 0 \\ y(0) &= 1 \\ y'(0) &= \frac{3}{2}\end{aligned}$$

2.

$$\begin{aligned}y'' - y' - 12y &= 0 \\ y(0) &= 0 \\ y'(0) &= 1\end{aligned}$$