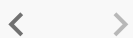


👍 You've completed all of the work in this assignment.

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✓ Your answer is correct.

Using the Laplace transform, solve the IVP.

$$y_1'' = 4y_1 + 8y_2, \quad y_2'' = 5y_1 + y_2,$$
$$y_1(0) = 8, \quad y_1'(0) = -18, \quad y_2(0) = 5, \quad y_2'(0) = -21$$

$$y_1(t) = 3 \sin(2t) + 8 e^{-3t}$$



$$y_2(t) = -3 \sin(2t) + 5 e^{-3t}$$



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Attempts: 1 of 3 used

Using multiple attempts will impact your score.
10% score reduction after attempt 2

