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

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Your answer is correct.

Solve the given nonhomogeneous ODE by variation of para undetermined coefficients. Give a general solution.

$$x^2y'' - 2xy' + 2y = x^3 \sin x$$

NOTE: Write arbitrary constants as c_1 and c_2.

$y(x) =$ $c_1\, x + c_2\, x^2 - x\, \sin(x)$

eTextbook and Media

Attempts: 1 of 3 used

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