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MS-A0111 - Differential and Integral Calculus 1, 07.09.2020-21.10.2020

Started on	Sunday, 4 June 2023, 12:02 PM
State	Finished
Completed on	Sunday, 4 June 2023, 12:02 PM
Time taken	12 secs
Grade	1.00 out of 3.00 (33.33%)

Question 1

Flag question

Mark 1.00 out of 1.00

Correct

What is the solution of $y'(x) + 3xy(x) = 0$?

Select one or more:

- ☐ a. $c_1 e^{-\frac{3x^3}{2}}$
- ☒ b. $c_1 e^{-\frac{3x^2}{2}}$ Yes!
- ☐ c. $c_1 e^{-\frac{x^2}{2}}$

Your answer is correct.

The correct answer is: $c_1 e^{-\frac{3x^2}{2}}$

Question 2

Flag question

Mark 0.00 out of 1.00

Incorrect

Implicit methods are impossible to use, since we cannot know the answer in the future!

Select one or more:

- ☐ a. No.
- ☒ b. Yes. Well, I respectfully disagree.

Your answer is incorrect.

The correct answer is: No.

Question 3

Flag question

Mark 0.00 out of 1.00

Incorrect

Consider $\frac{d^4 y}{dx^4} + (3x + 2)\frac{d^2 y}{dx^2} = \sin x$. What is the order of the problem?

Select one or more:

- ☐ a. 1
- ☒ b. 2 No!
- ☐ c. 4

Your answer is incorrect.

The correct answer is: 4

Finish review

◀ Lecture 9 (Activation Quiz)

Lecture 11 (Activation Quiz) ▶



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