CourseWare

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Quiz 5

You scored 15 out of 100

Question 1

Your answer is INCORRECT.

Give the general solution of the differential equation

$$y'' + 9y = -5\tan(3x)$$

a) $y = C_1 e^{3x} + C_2 e^{-3x} + \frac{5}{9}\sin(3x)\ln(\sec(3x) + \tan(3x))$

b) $y = C_1 \sin(3x) + C_2 \cos(3x) + \frac{5}{9}\sin(3x)\ln(\sec(3x) - \tan(3x))$

c) $y = C_1 e^{3x} + C_2 e^{-3x} + \frac{5}{9}\cos(3x)\ln(\sec(3x) + \tan(3x))$

d) $y = C_1 \sin(3x) + C_2 \cos(3x) + \frac{5}{9}\cos(3x)\ln(\sec(3x) + \tan(3x))$

e) $y = C_1 \sin(3x) + C_2 \cos(3x) + \frac{5}{9}\sin(3x)\ln(\sec(3x) + \tan(3x))$

f) None of the above.

Question 2

Your answer is INCORRECT.

Give the general solution of the differential equation

$$y'' + 4y = -4\sec(2x)$$

a) $y = C_1 \sin(2x) + C_2 \cos(2x) - 2x\sin(2x) - \cos(2x)\ln(|\cos(2x)|)$

b) $y = C_1 \sin(2x) + C_2 \cos(2x) - 2x\sin(2x) - \sin(2x)\ln(|\cos(2x)|)$

Putkey, John

CLOCK

Start Time	6/29/2017 2:31:59 AM
Time Taken	00:00:46

NAVIGATION

[5] Q 1	[5] Q 2	[5] Q 3	[5] Q 4
[5] Q 5	[5] Q 6	[5] Q 7	[5] Q 8
[5] Q 9	[5] Q 10	[5] Q 11	[5] Q 12
[5] Q 13	[5] Q 14	[5] Q 15	[5] Q 16
[5] Q 17	[5] Q 18	[5] Q 19	[5] Q 20

TEST INFORMATION

Your Score is:	15
Out of:	100
Time Allowed:	150 min
Total Problems:	20

COLORING LEGEND

Not Answered	Incorrect	Correct