Homework 8 (Chap. 3.10), 59.00/80.00 (73.75%)

October 29, 2019

Problem 4 score: 0/10[1]

$$f'(a) = \cancel{2^x} \ln 2$$

right-hand side should not depend on x.

Problem 11 score: 10/10

ok

Problem 17 score: 10/10

ok

Problem 19 score: 10/10

ok

Problem 25 score: 0/10[2]

$$\frac{1}{300} \cancel{\ne} 0.0003 \, (= 0.0033)$$

Problem 28 score: 10/10

ok

Problem 35 score: 10/10

ok

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[1]similar problems: 2,3
[2]similar problems: 26,24

Problem 39 score: 9/10 [3]

What you wrote is wrong: $\cancel{dV = (dR \cdot I + dI \cdot R) \, dR}$. Where did additional dR came from? Everything else is correct.

make-up #1

Problem 2 score: 0/10

NOT ok

$$\frac{1}{2} + \frac{\sqrt{3}}{2}\left(x - \frac{\pi}{6}\right) \neq \frac{1}{2} - \frac{\pi}{6} + \frac{\sqrt{3}}{2}x$$

where is $\sqrt{3}$?

Problem 3 score: 10/10

ok

Problem 24 score: 10/10

ok

Problem 26 score: 10/10

OK

Problem 39 score: 10/10

OK

Problem 40 score: 10/10

OK

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[3]similar problems: 40