

Homework 34 (Chap. 14.8), 55.00/80.00 (68.75%)

May 18, 2020

Problem 10 score: 0/10¹

why solutions $(\pm 2, \pm 2, \pm 2)$ not written out?

Problem 17 score: 10/10

good

Problem 19 score: 10/10

good

Problem 23 score: 0/10²

solution $x = -1/\sqrt{2}, y = 1/2\sqrt{2}$ yields higher value $\exp(1/4)$.

Problem 28 score: 6/10³

where did you show that this extremum is minimum?

Problem 35 score: 10/10

good

Problem 43 score: 9/10

Note that $yz = \lambda 2x, zx = \lambda 2y, xy = \lambda 2z$ does not imply $\lambda = 0$ or $x = y = z$ (another alternative is $x = y = -z$).

Problem 48 score: 10/10

good

¹similar problems: 11,12

²similar problems: 24,25

³similar problems: 29,30