

Homework 33 (Chap. 14.7), 73.00/90.00 (81.11%)

May 13, 2020

Problem 4 score: 10/10

good, but note that to my knowledge, it is incorrect to write “ $f(x, y)$ is symmetric *above* x ”, but one should rather write “ $f(x)$ is symmetric *with respect to* x ”.

Problem 15 score: 10/10

good

Problem 19 score: 9/10¹

good, but you were asked to analyze points only in $-1 \leq x \leq 7$.

Problem 31 score: 10/10

good

Problem 41 score: 10/10

good

Problem 45 score: 10/10

good

Problem 49 score: 10/10

good

Problem 53 score: 0/10²

it was said “a cardboard box **without** a lid”. You’ve minimized the wrong function.

¹similar problems: 20,21

²similar problems: 54,55

Problem 56 score: $4/10^3$

you did not prove that the local maximum you found is global.

³similar problems: 57,58