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sandipan_dey >

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☆ Course / Unit 1: Functions of two variab... / Lecture 1: Level curves and partial derivati...

(3)

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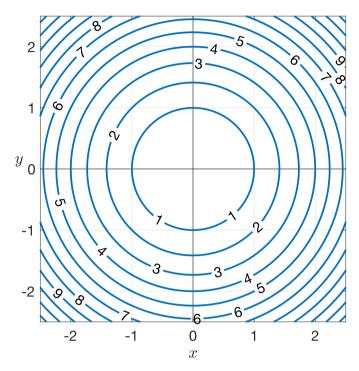




Discuss

Hiker 1

Recall the paraboloid described by $f\left(x,y
ight)=x^2+y^2$ whose level curves are given by concentric circles shown below.



Suppose that this paraboloid represents a canyon in which two people are hiking. Use the level curves above to answer the following (ungraded) poll question. After you answer the poll, use the forum to discuss your reasoning and hear from fellow learners.

HIKERS IN A CANYON POLL

Hiker 1 starts at the point (-1,1) and moves in the positive $m{x}$ direction. Is the hiker moving uphill, downhill, or neither?

RESULTS

O Uphill	23%
Downhill	65%
 Neither 	12%
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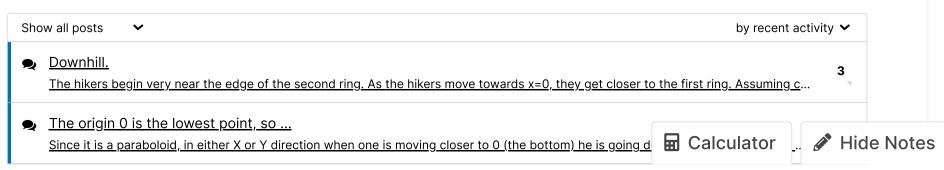
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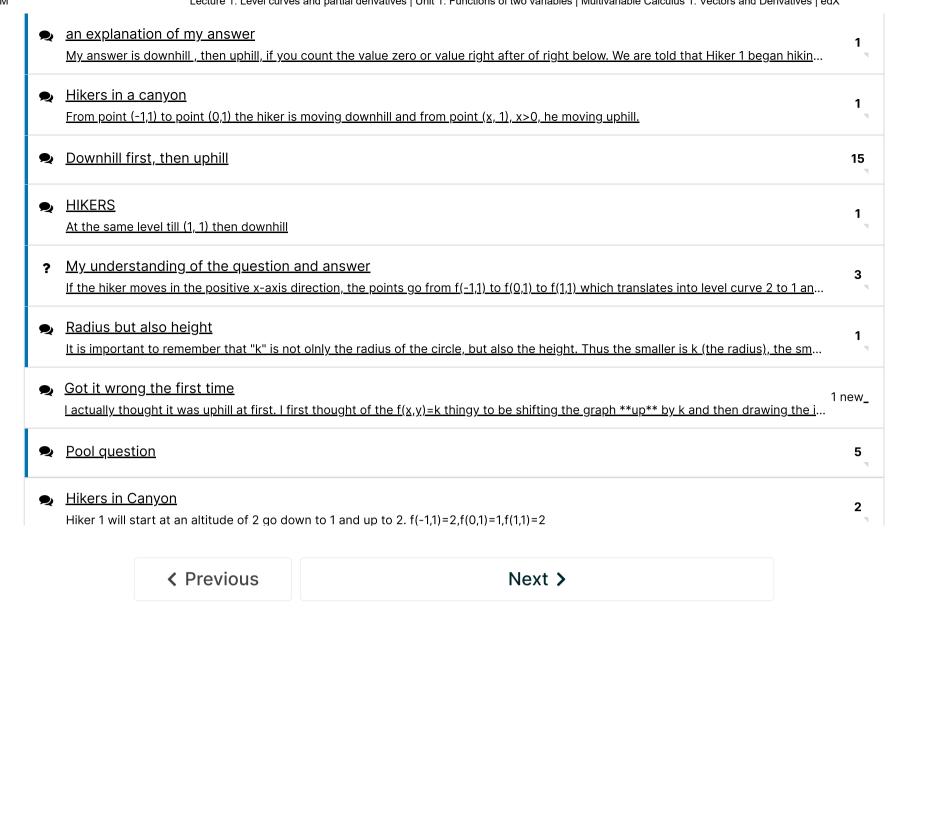
8. Hikers in a canyon

Topic: Unit 1: Functions of two variables / 8. Hikers in a canyon

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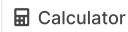
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