You are taking "Exam (Timed, No Correctness Feedback)" as a timed exam. Show more

End My Exam 43:54:45

Previous Next

2. Gradients and dot products

Bookmark this page

Recitation due Aug 18, 2021 20:30 IST Completed

Review

5.

1.0/1 point (graded)

Suppose that $\vec{v}$ and $\vec{w}$ are parallel, and $|\vec{v}| = 3$ and $|\vec{w}| = 5$. Find $\vec{v} \cdot \vec{w}$.

15 ✔ **Answer:** 15

Submit You have used 1 of 15 attempts

Answers are displayed within the problem

6.

1/1 point (graded)

Suppose that $f(1,1) = 2$ and $|\nabla f(1,1)| = 3$. Suppose that the vector $\langle \Delta x, \Delta y \rangle$ is parallel to $\nabla f(1,1)$ and has length $.01$. What is the most reasonable estimate for $f(1+\Delta x, 1+\Delta y)$?

2.03 ✔ **Answer:** 2.03

Submit You have used 1 of 15 attempts

Answers are displayed within the problem

2. Gradients and dot products

Topic: Unit 2: Geometry of Derivatives / 2. Gradients and dot products

Hide Discussion

Add a Post

Show all posts by recent activity

- [Staff] Vector Notation — 7
- Thought process for Q6 — 3
  I got the right answer but i am not sure that I used the right thought process. Here is what I've done: 1 - i considered that the vector ...
- Q.5 two possible answers — 5
  Both are accepted by the grader. Enter either one of them.
  Community TA
- [Staff] But is it, really? — 5
  About Question 6... Is “the most reasonable estimate” the one that has a 50/50 chance of being right? Or the one that’s definitely wr...

Previous Next

Calculator Hide Notes

Calculator Hide Notes