Functions 4th Edition Chapter 13.7 Problem 5E

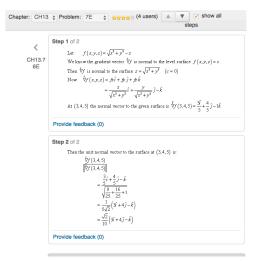
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Chapter: CH13 \diamondsuit Problem: 5E \diamondsuit Chapter: (5 \text{ users}) A \mathbb{Z} Show all steps

Step 1 of 1

Let f(x,y,x) = x + y + x
We know the gradient vector \mathring{\nabla} f is normal to the level curve of f(x,y,x) = c
Thus \mathring{\nabla} f(x,y,x) = g\hat{x}\hat{1} + g\hat{j} + g\hat{k}
= \hat{i} + \hat{j} + \hat{k}
Then normal vector to the surface at (2,0,2) is \mathring{\nabla} f(2,0,2) = \hat{i} + \hat{j} + \hat{k}
Hence the unit normal vector is: \mathring{\nabla} f(2,0,2)
= \mathring{f}(2,0,2)
= \mathring{f}(2,0,2)
= \mathring{f}(2,0,2)
= \mathring{f}(2,0,2)
= \mathring{f}(2,0,2)
Provide feedback (0)
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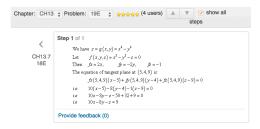
Functions 4th Edition Chapter 13.7 Problem 15E

Functions 4th Edition Chapter 13.7 Problem 7E



Functions 4th Edition Chapter 13.7 Problem 16E

Functions 4th Edition Chapter 13.7 Problem 19E



Functions 4th Edition Chapter 13.7 Problem 21E

