Homework 11 • Graded

Student

Scott A. Fullenbaum

Total Points

20 / 20 pts

Question 1

Computing a Flux 5 / 5 pts

✓ - 0 pts Completion & Timeliness

- 2 pts Late
- 2 pts No attempt onQ1

Question 2

Divergence Theorem 5 / 5 pts

- ✓ 0 pts Correct answer for part a.
- ✓ 0 pts Correct answer for part b.
 - 0.5 pts Small mistake in part a.
 - 0.5 pts Small mistake part b.
 - 1 pt Medium mistake in part a.
 - 1.25 pts Incorrect integral in part a.
 - 1.25 pts Incorrect integral in part b.
 - 1.75 pts Part a incorrect.
 - 1.75 pts Part b incorrect.
 - 2.5 pts No answer for part a.

Question 3

Theorem of Stokes 5 / 5 pts

✓ - 0 pts Correct

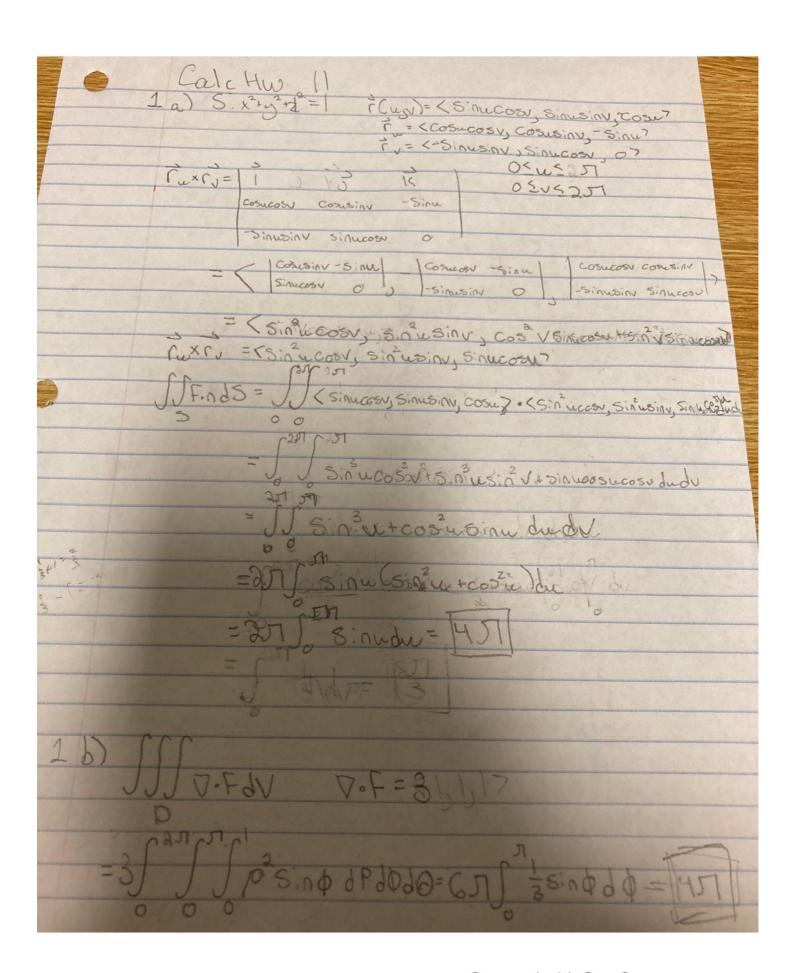
- 1 pt Incorrect parameterization or calculation errors in A
- 1.5 pts Integration error in A
- **1 pt** Incorrect parameterization or calculation errors in B
- 1.5 pts Integration error in B

Theorem of Stokes 2 5 / 5 pts



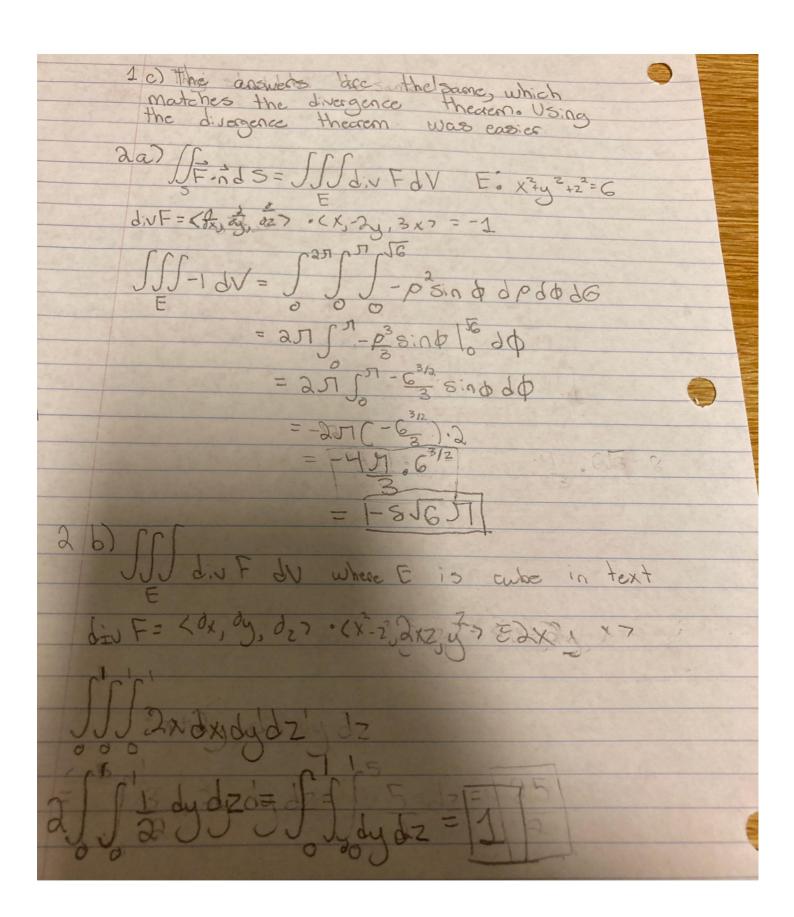
- **0.5 pts** Incorrect normal vector
- 0.25 pts Incorrectly computed curl
- **0.25 pts** Minor algebraic error
- **0.5 pts** Incorrect integral bounds
- **0.5 pts** Transcription error (problem copied down incorrectly or error copying terms)
- 1 pt Conceptual error
- **3 pts** Major conceptual error
- **0.5 pts** Major algebraic error

Question assigned to the following page: 1	

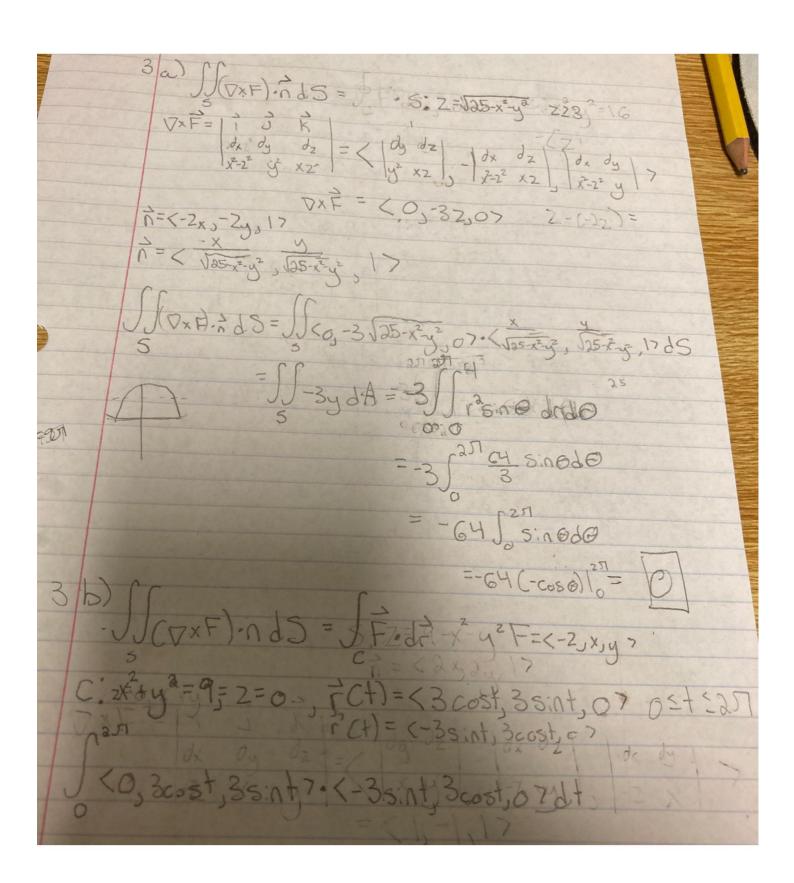


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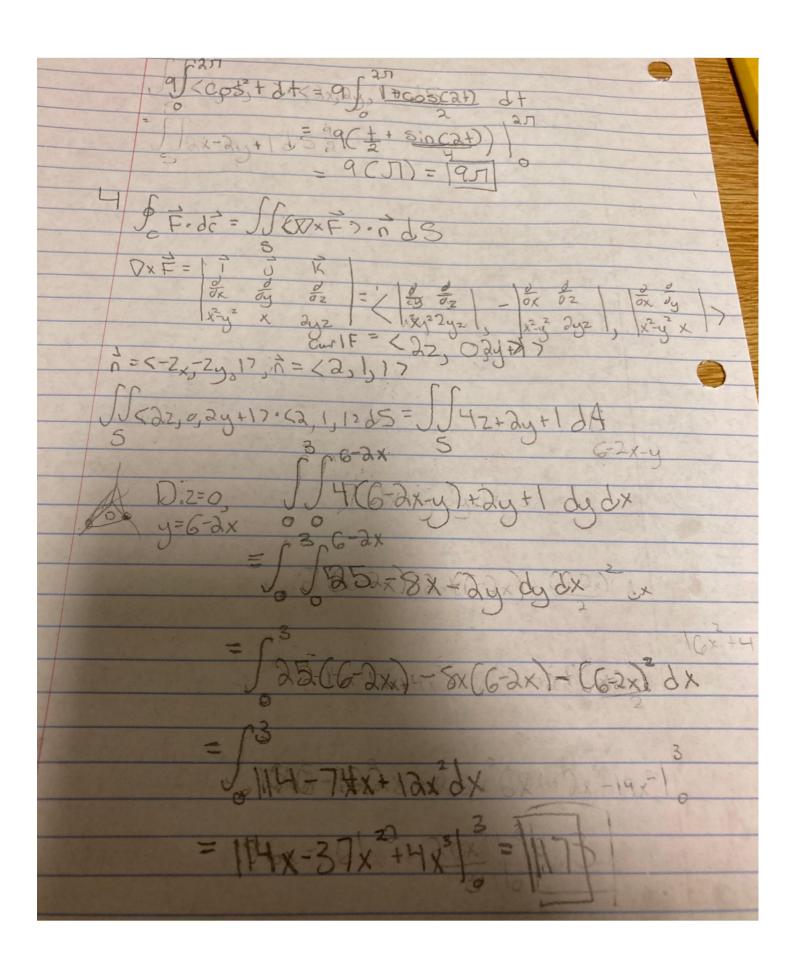
Questions assigned to the following page: $\underline{1}$ and $\underline{2}$



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Questions assigned to the following page: $\underline{3}$ and $\underline{4}$



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