

## Homework 41 (Chap. 15.8), 52.00/80.00 (65.00%)

June 13, 2020

### Problem 6 score: 10/10

good

### Problem 18 score: 10/10

good

### Problem 22 score: 0/10<sup>1</sup>

as written in the bottom of page 1047,  $dV = \rho^2 * \sin \phi dp d\theta d\phi$ . You did not include this factor in your computation.

### Problem 29 score: 5/10<sup>2</sup>

(a) good

(b)  $z \neq \rho \cos \theta (= \rho \cos \phi)$

### Problem 36 score: 10/10

good

### Problem 43 score: 0/10<sup>3</sup>

wrong (see discussion on Telegram around June 8, 12:30)

### Problem 48 score: 10/10

good

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<sup>1</sup>similar problems: 23,24

<sup>2</sup>similar problems: 30,31

<sup>3</sup>similar problems: 44,45

**Problem 49 score:  $7/10^4$**

(a) good

(b) good, but where did you use part (a)?

(c) good

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<sup>4</sup>similar problems: 47,48