UBII 7.3 (3909187)

Current Score: 0/16
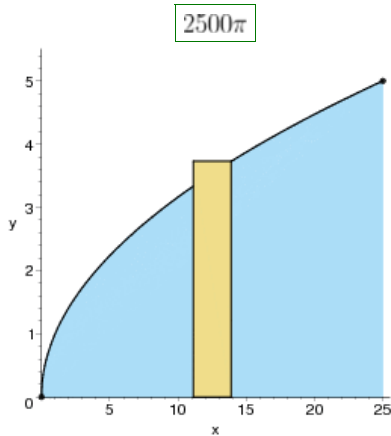
Question	1	2	3	4	5	6		Total
	0/1	0/9	0/1	0/1	0/1	0/3		
Points								**0/16**

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1.   0/1 points   LarCalc9 7.3.003. [1197760]

Use the shell method to set up and evaluate the integral that gives the volume of the solid generated by revolving the plane region about the *y*-axis.

$$y = \sqrt{x}$$

2500π

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2.   0/9 points   LarCalc9 7.3.008.MI.SA. [1420029]

This question has several parts that must be completed sequentially. If you skip a part of the question, you will not receive any points for the skipped part, and you will not be able to come back to the skipped part.

Tutorial Exercise

Use the shell method to set up and evaluate the integral that gives the volume of the solid generated by revolving the plane region about the *y*-axis.

$$y = 100 - x^2$$
$$y = 0$$

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3.   0/1 points   LarCalc9 7.3.010. [1197040]

Use the shell method to set up and evaluate the integral that gives the volume of the solid generated by revolving the plane region about the *y*-axis.
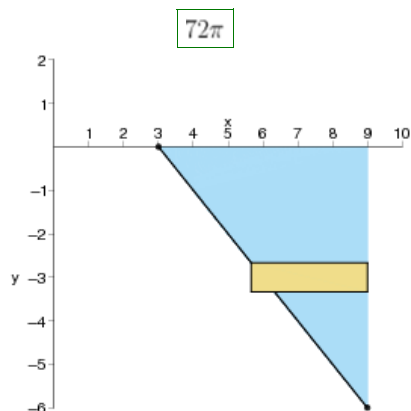
$$y = 9x$$
$$y = 18$$
$$x = 0$$

24π

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4.   0/1 points   LarCalc9 7.3.016. [1197075]

Use the shell method to set up and evaluate the integral that gives the volume of the solid generated by revolving the plane region about the x-axis.

$$y = 3 - x$$

72π

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5.   0/1 points   LarCalc9 7.3.023. [1197596]

Use the shell method to find the volume of the solid generated by revolving the plane region about the line $x = 9$.

$$y = 2x - x^2$$
$$y = 0$$

$\dfrac{64}{3}\pi$

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6.   0/3 points   LarCalc9 7.3.030.MI. [1241153]

Use the disk *or* the shell method to find the volume of the solid generated by revolving the region bounded by the graphs of the equations about each given line.

$$y = \frac{10}{x^2}$$
$$y = 0$$
$$x = 1$$
$$x = 5$$

(a) the x-axis

$\dfrac{496}{15}\pi$ (b) the y-axis

$20\pi \ln(5)$ (c) the line $y = 10$

$\dfrac{1904}{15}\pi$

Assignment Details

Name (AID): **UBII 7.3 (3909187)**   **Feedback Settings**
Submissions Allowed: **5**   Before due date
Category: **Homework**   Question Score
Code: Assignment Score
Locked: **No**   Publish Essay Scores
Author: **Goldsworthy, William (** bgoldsworthy@soroschool.org **)**   Question Part Score
Last Saved: **Jun 26, 2013 08:18 PM EDT**   Mark
Permission: **Protected**   Add Practice Button
Randomization: **Person**   Help/Hints
Which graded: **Last**   Response

Save Work
After due date
Question Score
Assignment Score
Publish Essay Scores
Key
Question Part Score
Solution
Mark
Add Practice Button
Help/Hints
Response