

UBII 7.2 (3909184)

Current Score: 0/14

Question	1	2	3	4	5	6	7	8	Total
Points	0/1	0/1	0/4	0/4	0/1	0/1	0/1	0/1	

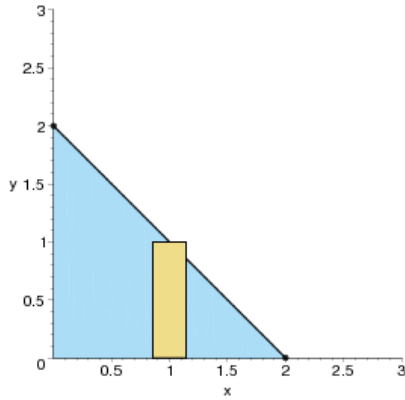
1. 0/1 points

LarCalc9 7.2.001. [1196927]

Set up and evaluate the integral that gives the volume of the solid formed by revolving the region about the x -axis.

$$y = -x + 2$$

$$\frac{8}{3}\pi$$



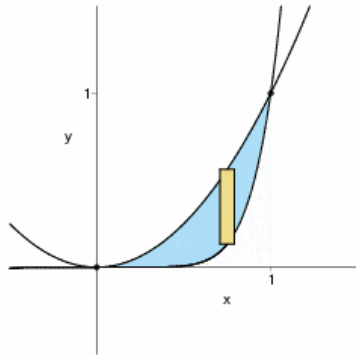
2. 0/1 points

LarCalc9 7.2.005. [1197106]

Set up and evaluate the integral that gives the volume of the solid formed by revolving the region about the x -axis.

$$y = x^2, \quad y = x^7$$

$$\frac{2}{15}\pi$$



3. 0/4 points

LarCalc9 7.2.011. [1197184]

Find the volumes of the solids generated by revolving the regions bounded by the graphs of the equations about the given lines.

$$y = \sqrt{x}$$

$$y = 0$$

$$x = 3$$

(a) the x -axis

$$\frac{9}{2}\pi$$

(b) the y -axis

$$\frac{36}{5}\sqrt{3}\pi$$

(c) the line $x = 3$

$$\frac{24}{5}\sqrt{3}\pi$$

(d) the line $x = 9$

$$\frac{144}{5}\sqrt{3}\pi$$

4. 0/4 points

LarCalc9 7.2.012.MI. [2027388]

Find the volumes of the solids generated by revolving the regions bounded by the graphs of the equations about the given lines.

$$y = 5x^2$$

$$y = 0$$

$$x = 3$$

(a) the y -axis

$$\frac{405}{2}\pi$$

(b) the x -axis

$$1215\pi$$

(c) the line $y = 45$

$$2835\pi$$

(d) the line $x = 3$

$$\frac{135}{2}\pi$$

5. 0/1 points

LarCalc9 7.2.017. [1101292]

Find the volume of the solid generated by revolving the region bounded by the graphs of the equations about the line $y = 8$. (Round your answer to three decimal places.)

$$y = \frac{7}{1+x}$$

$$y = 0$$

$$x = 0$$

$$x = 7$$

  596.973

6. 0/1 points

LarCalc9 7.2.023. [1197069]

Find the volume of the solid generated by revolving the region bounded by the graphs of the equations about the x -axis.

$$y = \frac{5}{\sqrt{x+1}}$$

$$y = 0$$

$$x = 0$$

$$x = 8$$

 $25\pi \ln(9)$

7. 0/1 points

LarCalc9 7.2.024. [1196869]

Find the volume of the solid generated by revolving the region bounded by the graphs of the equations about the x -axis.

$$y = x\sqrt{16-x^2}$$

$$y = 0$$

 $\frac{4096}{15}\pi$

8. 0/1 points

LarCalc9 7.2.035. [1197673]

Find the volume of the solid generated by revolving the region bounded by the graphs of the equations about the x -axis. Verify your results using the integration capabilities of a graphing utility.

$$y = e^{x-5}$$

$$y = 0$$

$$x = 5$$

$$x = 6$$

 $\frac{\pi}{2} \cdot (e^2 - 1)$

Assignment Details

Name (AID): **UBII 7.2 (3909184)**Submissions Allowed: **5**Category: **Homework**

Code:

Locked: **No**Author: **Goldsworthy, William (bgoldsworthy@soroschool.org)**Last Saved: **Jun 26, 2013 08:11 PM EDT**Permission: **Protected**Randomization: **Person**Which graded: **Last**

Feedback Settings

Before due date

Question Score

Assignment Score

Publish Essay Scores

Question Part Score

Mark

Add Practice Button

Help/Hints

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