

WebWork MAA MATHEMATICAL ASSOCIATION OF AMERICA

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LSE102

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g1_27september2011: Problem 6 (3 pt)

Problems: Problem 1, Problem 2, Problem 3, Problem 4, Problem 5, Problem 6, Problem 7

View equations as: images, parse

Show related answers: all, none, correct only, Apply Options

This graph shows the integrand after the substitution. The area of the shaded region gives the value of the integral with the area below the x-axis.

Apply
Let $y =$

The work is supported in part by the National Science Foundation under the grant DUE-08-18382.

Complete the indicated blanks in the applet. When done click 'submit answer'.
If you click 'submit answer' before you are done, WebWork will save your work for when you log back on.

Preview Answers | Solve

You have attempted this problem 0 times.
You have unlimited attempts remaining.

Submit Answer

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g1_27september2011: Problem 1 (3 pt)

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Use mouse to rotate the solid shown.

Profile

This graphing board displays the three dimensional solid with the cross-section shown in the cross-section graphing board and the profile shown in the profile graphing board.

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Find the volume of the solid of revolution formed by rotating the curve

$$x = \begin{cases} 9\cos\left(\frac{\pi}{2} + 2\right) & 2 \leq y \leq 8 \\ 9\cos\left(\frac{\pi}{2} + 2\right) & 8 < y \leq 10 \end{cases}$$

about the y -axis.

Preview Answers | Solve

You have attempted this problem 0 times.
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