Yinglai Wang MA 162 Spring 2012, section 321, Spring 2012 Instructor: Jonathan Montano

Current Score : 20 / 20 **Due :** Tuesday, January 24 2012 11:55 PM EST

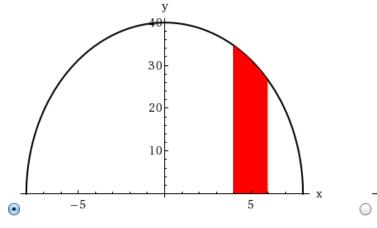
1. 2.85/2.85 points | <u>Previous Answers</u> SCalcET7 6.2.004.

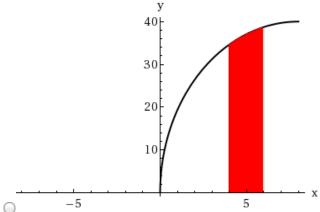
Find the volume V of the solid obtained by rotating the region bounded by the given curves about the specified line.

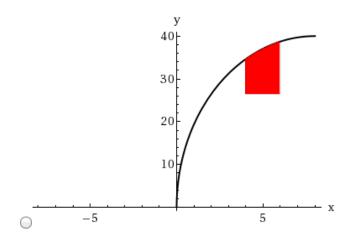
$$y = 5\sqrt{64 - x^2}$$
, $y = 0$, $x = 4$, $x = 6$; about the x-axis

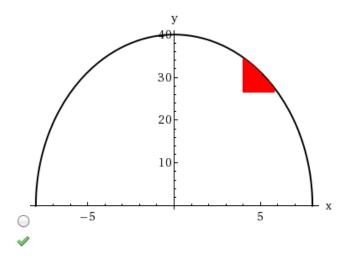
V = **✓**

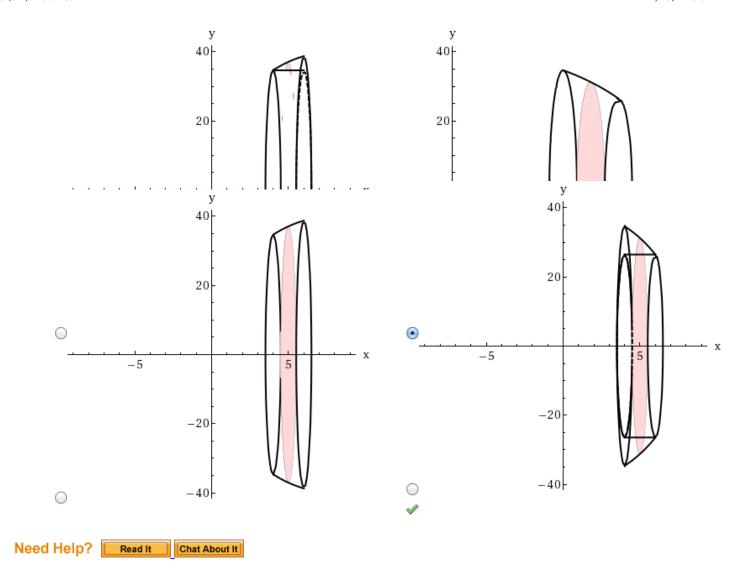
Sketch the region.











2. 2.85/2.85 points | Previous Answers

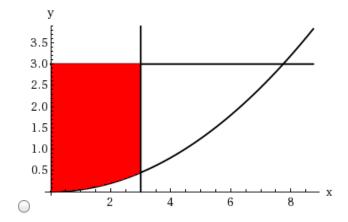
SCalcET7 6.2.005.

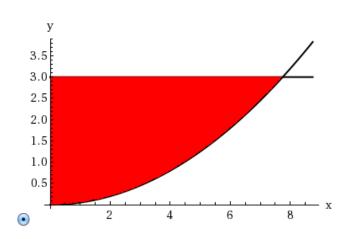
Find the volume *V* of the solid obtained by rotating the region bounded by the given curves about the specified line.

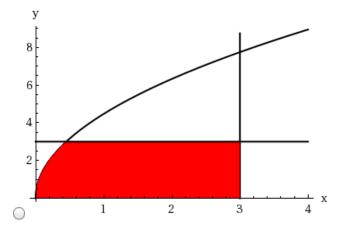
$$x = 2\sqrt{5y}, x = 0, y = 3;$$
 about the y-axis

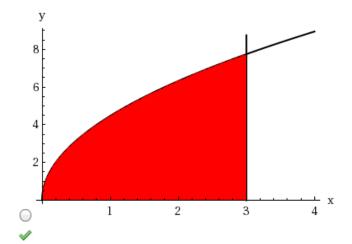
V = **✓**

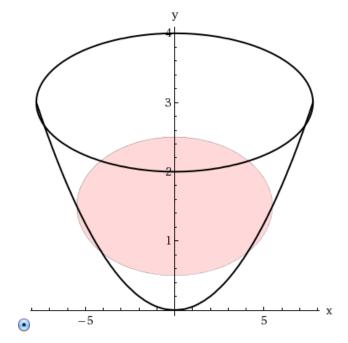
Sketch the region.

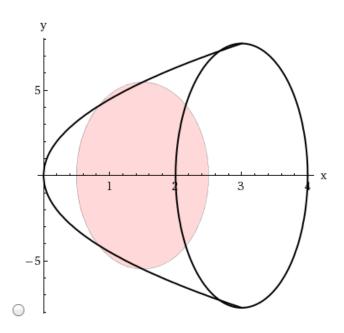


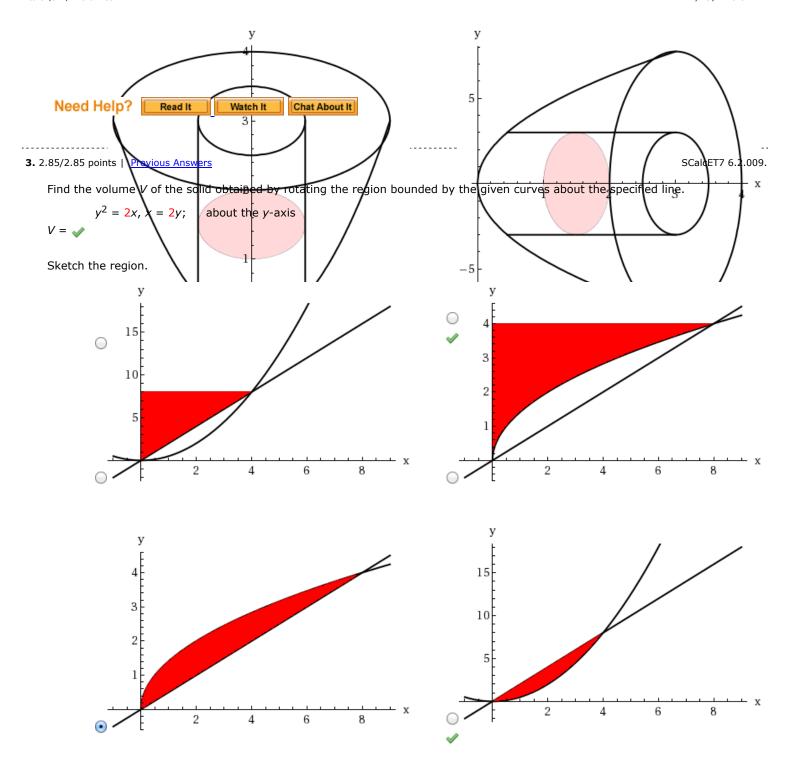




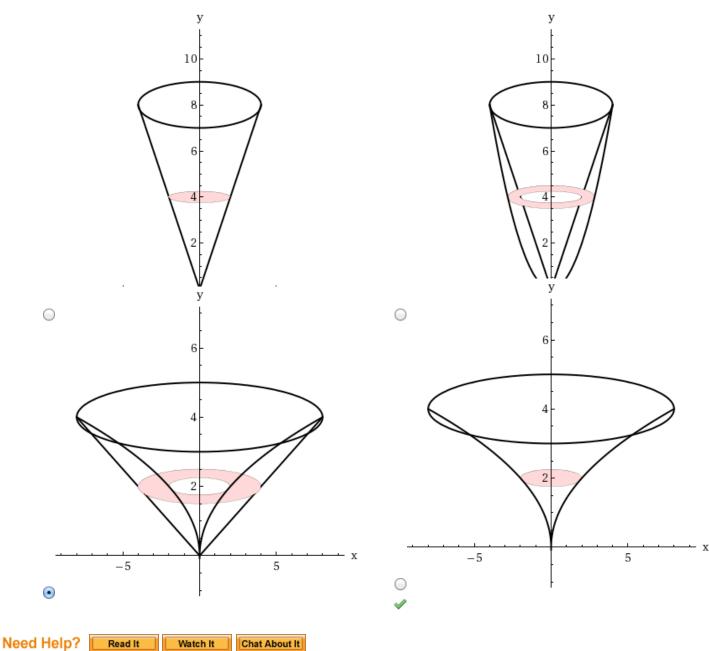








1/23/12 6:57 PM Hw 6 (6.2): Volumes



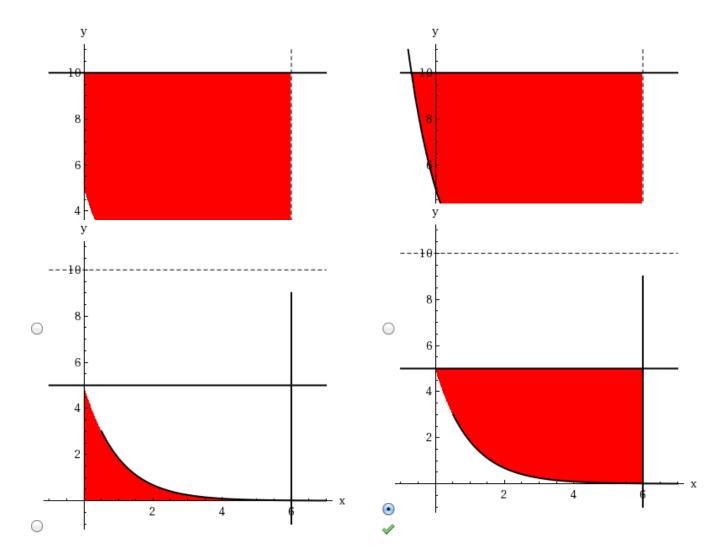
4. 2.85/2.85 points | Previous Answers

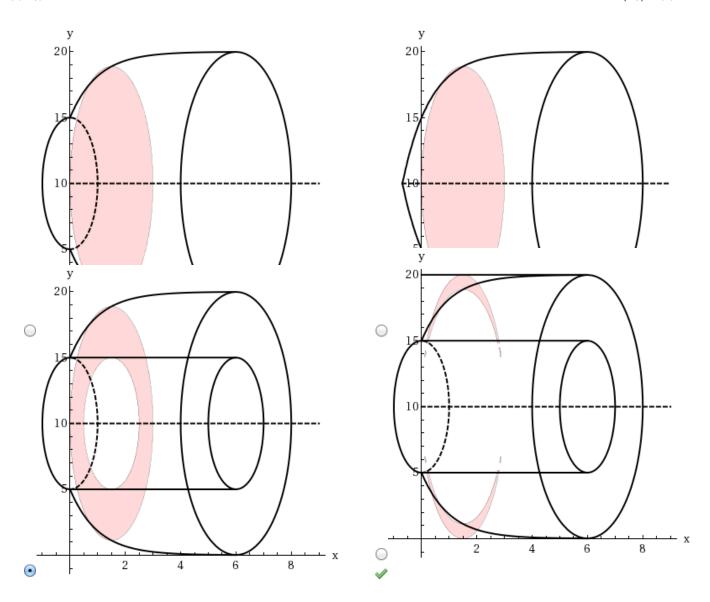
SCalcET7 6.2.012.

Find the volume *V* of the solid obtained by rotating the region bounded by the given curves about the specified line.

$$y = 5e^{-x}$$
, $y = 5$, $x = 6$; about $y = 10$

Sketch the region.





Need Help? Read It Chat About It

5. 2.85/2.85 points | Previous Answers

SCalcET7 6.2.049.

Find the volume V of the described solid S.

A cap of a sphere with radius r and height h

