UBII 7.1 (3909182)

Current Score: 0/17

Question	1	2	3	4	5	6	7	8		Total
Points	0/2	0/2	0/2	0/2	0/2	0/2	0/3	0/2		**0/17**

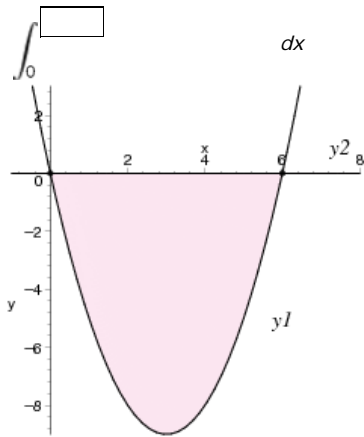**1.**   0/2 points   LarCalc9 7.1.001. [1197043]

Set up the definite integral that gives the area of the region.

$$y_1 = x^2 - 6x$$
$$y_2 = 0$$

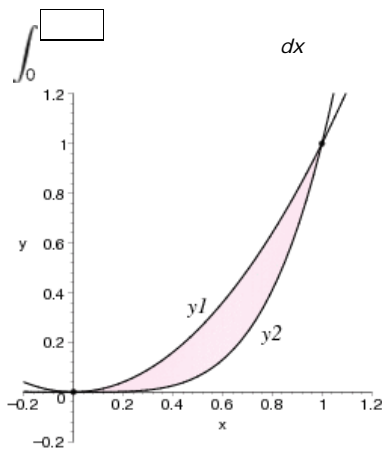**2.**   0/2 points   LarCalc9 7.1.004. [1197286]

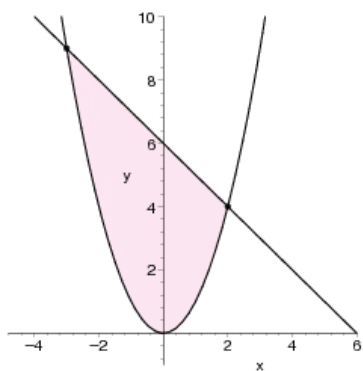Set up the definite integral that gives the area of the region.

$$y_1 = x^2$$
$$y_2 = x^4$$

3. 0/2 points   LarCalc9 7.1.018. [1101338]

Consider the following.

$y = x^2$
$y = 6 - x$

(a) Find the area of the region by integrating with respect to x.

(b) Find the area of the region by integrating with respect to y.

4. 0/2 points   LarCalc9 7.1.019.MI. [1241166]

Consider the following algebraic functions.

$y = x^2 - 9$
$y = -x + 5$
$x = 0$
$x = 2$

Sketch the region bounded by the graphs of the functions. (Use solid lines for the boundaries.)

Find the area of the region.

5.   0/2 points   LarCalc9 7.1.028.MI. [1237027]
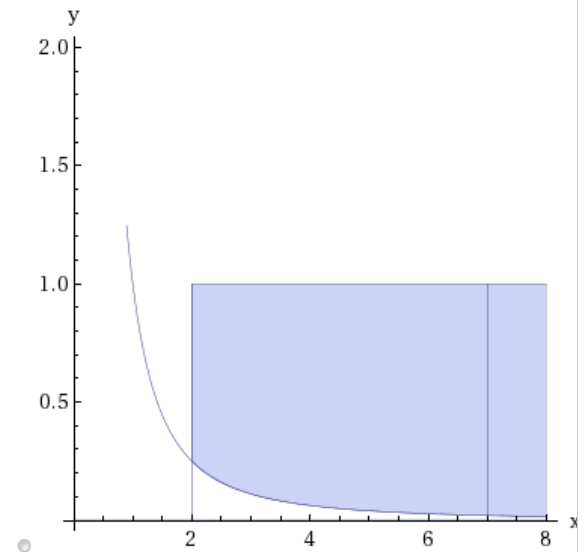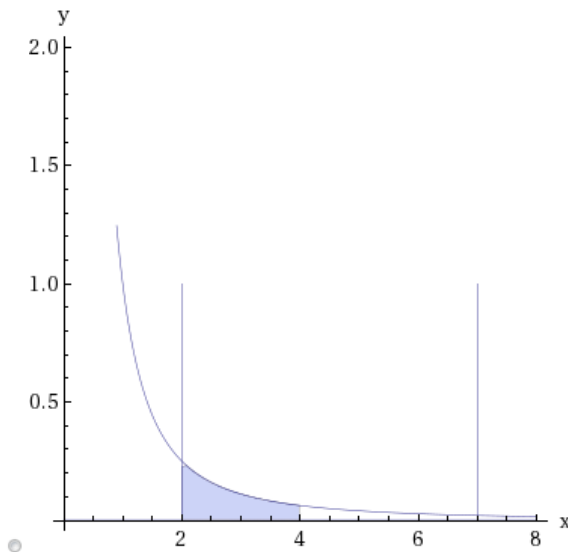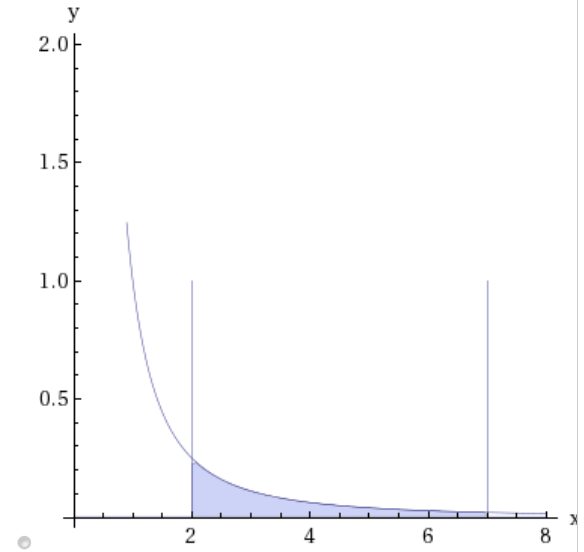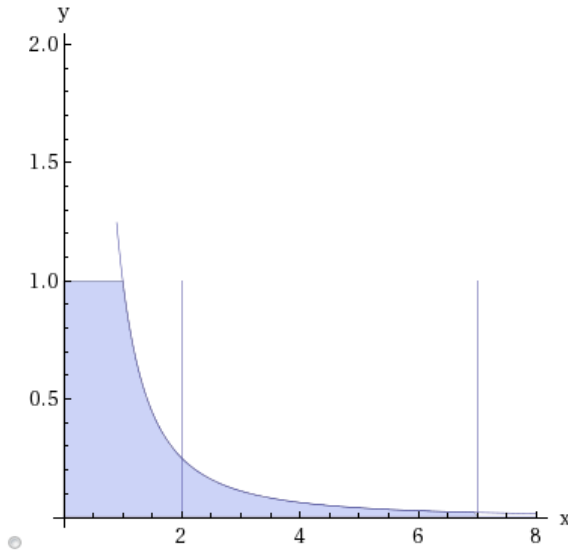
Consider the following algebraic functions.

$y = 1/x^2$
$y = 0$
$x = 2$
$x = 7$

Sketch the region bounded by the graphs of the functions.

Find the area of the region.

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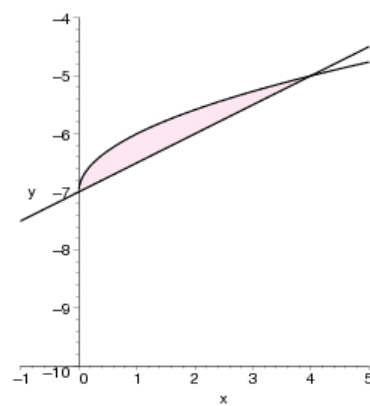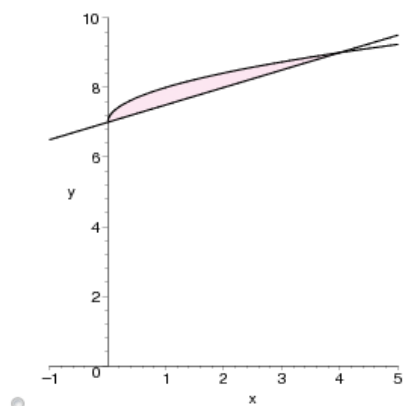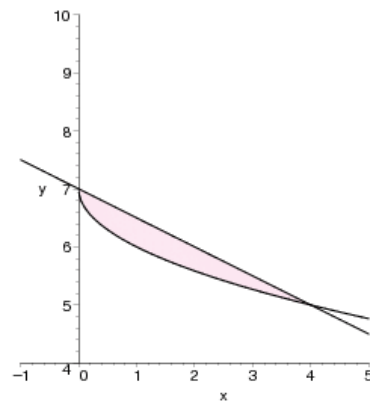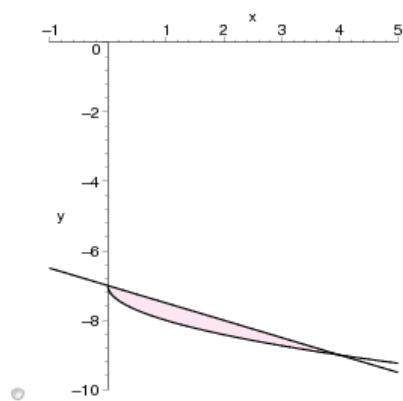**6.**   0/2 points   LarCalc9 7.1.029. [1785403]

Consider the following algebraic functions.

$$f(x) = \sqrt{x} + 7$$

$$g(x) = \frac{1}{2}x + 7$$

Sketch the region bounded by the graphs of the functions.

Find the area of the region.

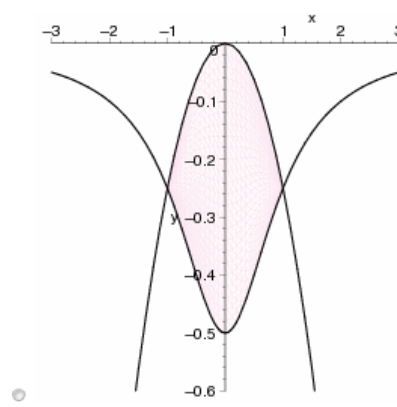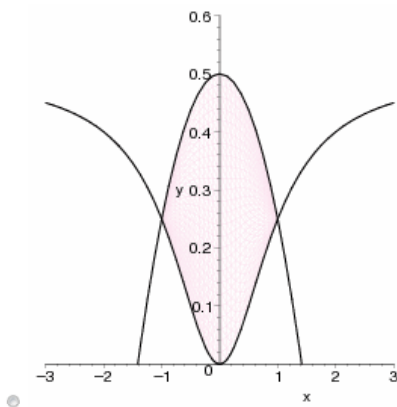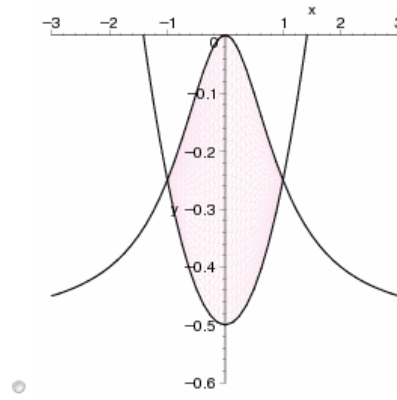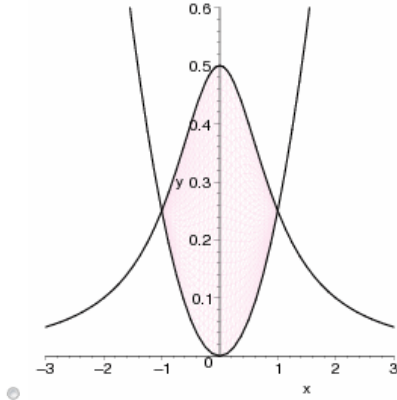**7.**   0/3 points   LarCalc9 7.1.043. [1101309]

Consider the following.

$$f(x) = \frac{1}{2(1 + x^2)}$$

$$g(x) = \frac{1}{4}x^2$$

(a) Use a graphing utility to graph the region bounded by the graphs of the equations.

(b) Find the area of the region. (Round your answer to three decimal places.)

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(c) Use the integration capabilities of the graphing utility to verify your results. (Round your answer to three decimal places.)
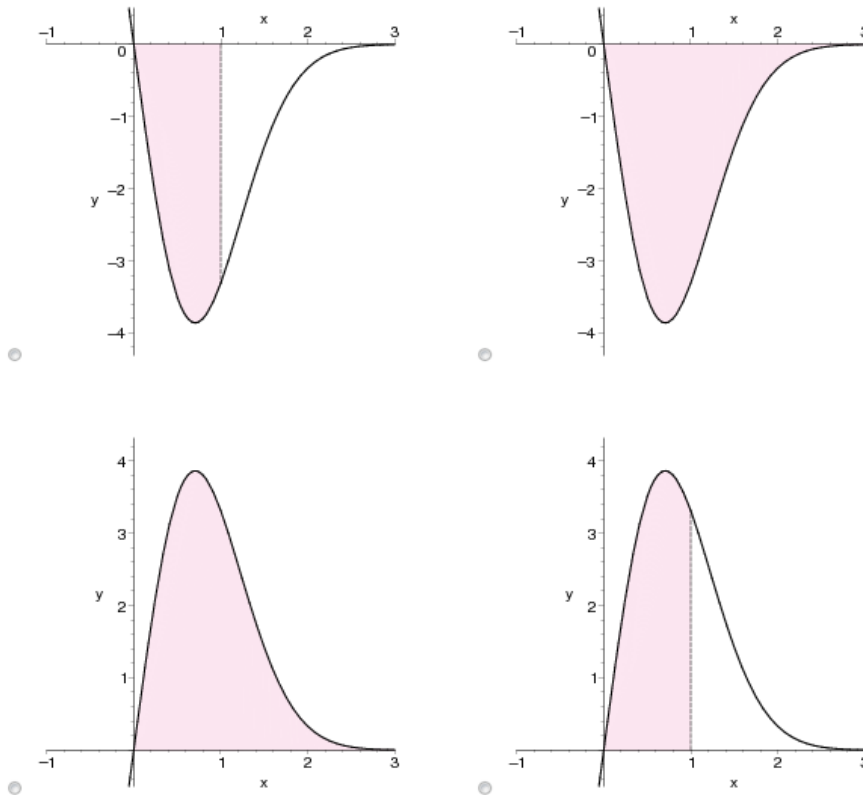
[   ]

8.   0/2 points   LarCalc9 7.1.051. [1101357]

Consider the following functions.

$$f(x) = 9xe^{-x^2},\ \ y = 0,\ \ 0 \le x \le 1$$

Sketch the region bounded by the graphs of the functions.

Find the area of the region. (Round your answer to three decimal places.)

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Assignment Details

Name (AID): **UBII 7.1 (3909182)**
Submissions Allowed: **5**
Category: **Homework**
Code:
Locked: **No**
Author: **Goldsworthy, William (** bgoldsworthy@soroschool.org **)**
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