CENGAGE | WEBASSIGN

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5.4 Integrales Indefinidas y Definidas (Homework)

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Current Score

QUESTION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
POINTS	1/1	1/1	1/1	1/1	1/1	2/0	1/1	1/1	1/1	1/1	1/1	2/0	1/1	1/0	1/1

TOTAL SCORE

17/12	141.7%

Due Date

DECEMBER 21
11:59 PM CST

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Description

Assignment Submission & Scoring

Assignment Submission

For this assignment, you submit answers by question parts. The number of submissions remaining for each question part only changes if you submit or change the answer.

Assignment Scoring

Your last submission is used for your score.

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1. 1/1 points Previous Answers SCalcET8 5.4.005. My Notes Ask Your Teacher

Find the general indefinite integral. (Use C for the constant of integration.)

$$\int (x^{1.7} + 9x^{3.5})\,dx$$

$x2.72.7+9x4.54.5+C$

2. 1/1 points Previous Answers SCalcET8 5.4.008. My Notes Ask Your Teacher

Find the general indefinite integral. (Use C for the constant of integration.)

$$\int \left(u^5 - 2u^4 - u^2 + \frac{4}{5}\right) du$$

$u66-2u55-u33+45u+C$

3. 1/1 points Previous Answers SCalcET8 5.4.009. My Notes Ask Your Teacher

Find the general indefinite integral. (Use C for the constant of integration.)

$$\int (u + 6)(4u + 7)\, du$$

$4u33+7u22+12u2+42u+C$

4. 1/1 points Previous Answers SCalcET8 5.4.011. My Notes Ask Your Teacher

Find the general indefinite integral. (Use C for the constant of integration. Remember to use absolute values where appropriate.)

$$\int \frac{6 + \sqrt{x} + x}{x}\, dx$$

$6ln(x)+2\sqrt{x}+x+C$

5. 1/1 points Previous Answers SCalcET8 5.4.016. My Notes Ask Your Teacher

Find the general indefinite integral. (Use C for the constant of integration.)

$$\int \sec(t)(9\sec(t) + 4\tan(t))\, dt$$

$9tan(t)+4sec(t)+C$

6. 2/0 points Previous Answers SCalcET8 5.4.018. My Notes Ask Your Teacher

Find the general indefinite integral. (Use C for the constant of integration.)

$$\int 4\frac{\sin(2x)}{\sin(x)}\,dx$$

$8sin(x)+C$

7. 1/1 points Previous Answers SCalcET8 5.4.021. My Notes Ask Your Teacher

Evaluate the integral.

$$\int_{-2}^{3} (x^2 - 3)\,dx$$

-103

8. 1/1 points Previous Answers SCalcET8 5.4.025. My Notes Ask Your Teacher

Evaluate the integral.

$$\int_0^2 (2x - 3)(4x^2 + 4)dx$$

-8

9. 1/1 points Previous Answers SCalcET8 5.4.027. My Notes Ask Your Teacher

Evaluate the integral.

$$\int_0^{\pi} (5e^x + 6\sin(x))dx$$

5eπ+7

10. 1/1 points Previous Answers SCalcET8 5.4.033. My Notes Ask Your Teacher

Evaluate the integral.

$$\int_1^6 \left(\frac{x}{6} - \frac{2}{x}\right) dx$$

3512−2*ln*(6)

11. 1/1 points Previous Answers SCalcET8 5.4.037. My Notes Ask Your Teacher

Evaluate the integral.

$$\int_0^{\pi/4} \frac{4 + 5\cos^2(\theta)}{\cos^2(\theta)}\, d\theta$$

16+5π4

12. 2/0 points Previous Answers SCalcET8 5.4.038.MI. My Notes Ask Your Teacher

Evaluate the integral.

$$\int_0^{2\pi/3} \frac{5\sin(\theta) + 5\sin(\theta)\tan^2(\theta)}{\sec^2(\theta)}\,d\theta$$

152

13. 1/1 points Previous Answers SCalcET8 5.4.041. My Notes Ask Your Teacher

Evaluate the integral.

$$\int_0^{\sqrt{3}/2} \frac{dr}{\sqrt{1-r^2}}$$

n3

14. 1/0 points Previous Answers SCalcET8 5.4.040. My Notes Ask Your Teacher

Evaluate the integral.

$$\int_{-12}^{12} \frac{3e^x}{\sinh(x) + \cosh(x)}\, dx$$

72

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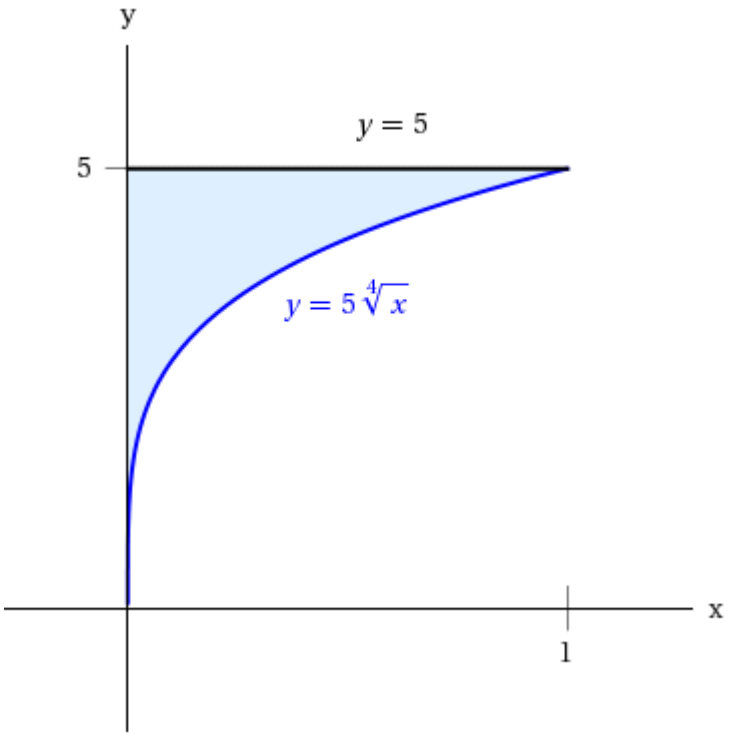
15. 1/1 points Previous Answers SCalcET8 5.4.050. My Notes Ask Your Teacher

The boundaries of the shaded region are the y-axis, the line $y = 5$, and the curve $y = 5\sqrt[4]{x}$. Find the area of this region by writing x as a function of y and integrating with respect to y.

1



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