

Assignment Previewer

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About this Assignment

1. SCalcET5 15.1.002. [295346] [Show Details](#)

If $R = [-1, 3] \times [0, 2]$, use a Riemann sum with $m = 4$, $n = 2$ to estimate the value of the following. Take the sample points to be the upper left corners of the subrectangles.

$$\iint_R y^2 - 2x^2 dA$$

2. SCalcET5 15.2.004. [295296] [Show Details](#)

Calculate the iterated integral.

$$\int_3^6 \int_{-1}^1 x^2 + y^2 dy dx$$

3. SCalcET5 15.2.006. [295458] [Show Details](#)

Calculate the iterated integral.

$$\int_1^9 \int_0^2 x + \sqrt{y} dx dy$$

4. SCalcET5 15.2.012. [295462] [Show Details](#)

Calculate the iterated integral.

$$\int_0^1 \int_0^1 \frac{xy}{\sqrt{x^2 + y^2 + 1}} dy dx$$

If $R = [0, 2] \times [0, \pi]$, compute the iterated integral

$$\iint_R x \sin\left(\frac{y}{2}\right) dA$$

(A numerical answer xx.x is desired)



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10. HW1.1 [540756] [Show Details](#)

If $R = [0, 2] \times [0, 2]$, compute the iterated integral

$$\iint_R x e^{xy} dA$$

(A numerical answer xx.x is desired)



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