1 calc 2

- **Problem 17645**

  Evaluate the integral of cosxdx limits from $\frac{\pi}{4}$ to $\frac{\pi}{2}$.

  Answer:

- **Problem 18646**

  Evaluate the integral of ln(x) dx, the limits are 1 and e.

  Answer:

- **Problem 19647**

$$Evaluate \int_1^{10} \frac{2\log_{10} edx}{x} \tag{1}$$

  Answer:

- **Problem 20648**

  What is the integral of cos(2x)e^{sin2x} dx?

  Answer:

- **Problem 21649**

  The integral of cos(x) with respect to x is.

  Answer: sin(x) + C

- **Problem 22650**

  Find the integral of [(e exp x - 1) divided by [e exp x + 1]]

  Answer:

- **Problem 23651**

  Evaluate the double integral of r sin u dr du, the limits of r is 0 and cos u and the limits of u are 0 and π.

  Answer:

- **Problem 24652**

  Evaluate the integral of (3x^2 + 9y^2)dydx if the interior limits has an upper limit

of y and a lower limit of 0, and whose outer limit has an upper limit of 2 and lower limit and lower limit of 0

Answer:

- **Problem 25653**

$$Evaluate \int_0^{\frac{\pi}{2}} \int_0^1 \int_0^2 zdz\ r^2 dr\ sinu\ du \tag{2}$$

Answer:

- **Problem 26654**

Find the area of the region bounded by y^2 = 8x and y = 2x.

Answer:

- **Problem 27655**

What is the area bounded by the curve x^2 = -9y and the line $\frac{y}{1}$ = 0.

Answer:

- **Problem 2**