

$$\int_0^1 2x \, dx + \int_1^2 2 \, dx$$

$$x^2 \Big|_0^1 + 2x \Big|_1^2 \quad \text{PIC}$$



~~1~~

$$1 + 4 - 2 = 3$$

Calc

$$f_{int}(2x, x, 0, 1) + f_{int}(2, x, 1, 2) = 3$$

$$\int_{208}^{209} x e^{-8x^2} \, dx$$

$x = 208$

$$f_{int}(x e^{-8x^2}, x, -28, 28) = 0$$

$$u = -8x^2$$

$$du = -16x \, dx$$

$$\frac{du}{-16} = x \, dx$$

$$\int e^u \frac{du}{-16}$$

$$u = -8(208)^2$$

$$\int_a^a f(x) \, dx = 0$$

~~2~~

1/2

$$\int_0^6 x^2 dx$$

$$= \frac{47}{3} \Big|_0^6$$



find (area) = 47

1/2

$$\int_0^6 x^2 dx = \frac{47}{3}$$

$$= \frac{47}{3} \Big|_0^6 = 47$$

1/2

1/2

1/2

1/2

1/2

1/2

1/2

1/2

1/2

1/2

1/2

1/2, 5x

1/2, 1.2

11

11

4

1.

1/2

11

3

$S(P) = b - P^2$



∫ ...

... R ...

$P = \frac{b}{2} = \frac{100}{2} = 50$

$\frac{100}{2} = 50$

... 100 ...



$= \frac{1}{2} \times 100 \times 50$

$= 2500$

$= 2500$

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Handwritten notes in the middle section, possibly containing a list or a set of instructions.

Handwritten notes below the middle section, continuing the list or instructions.

Handwritten notes on the right side of the page, possibly a separate list or a summary.

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