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## A page in Latex

Here are some useful mathematic formulas.

$$(a+b)^2 = a^2 + 2ab + b^2$$

$$a^2 - b^2 = (a+b)(a-b)$$

$$f(x) = e^x + 2x + 1$$

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

Differentiating (1), we get

$$f'(x) = e^x + 2 \tag{2}$$

$$f''(x) = e^x \tag{3}$$

On integration (3), becomes

$$\int f(x) dx = e^x + C$$

$$\int_0^1 e^x dx = e^x \Big|_0^1 = e - 1$$

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Here is a table.

Left	Center	Right
4	5	6
7	8	9
10	11	12
13	14	15

1	2	3
4	5	6
7	8	9
10	11	12
13	14	15

