

NAMA LENGKAP

KELAS





LKPD 1

INTEGRAL TAK TENTU FUNGSI ALJABAR



A. Sifat Integral I

$$\int 5 dx = \dots$$

$$\sqrt{3}x + c$$

$$\int \frac{1}{2} dx = \dots$$

$$-10x + c$$

$$\int \pi dx = \dots$$

$$5x + c$$

$$\int \sqrt{3} dx = \dots$$

$$\pi x + c$$

$$\int -10 dx = \dots$$

$$\frac{1}{2}x + c$$





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B. Sifat Integral 2

$$\int x^3 dx = \dots$$

$$\int \frac{1}{x^3} dx = \dots$$

$$\int \sqrt{x} dx = \dots$$

$$\int \frac{1}{\sqrt{x}} dx = \dots$$

$$\int x\sqrt{x} dx = \dots$$

$$2\sqrt{x} + c$$

$$\frac{2}{5}x^2\sqrt{x} + c$$

$$-\frac{1}{2x^2} + c$$

$$\frac{1}{4}x^4 + c$$

$$\frac{2}{3}x\sqrt{x} + c$$





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C. Sifat Integral 3

$$\int 6x^2 dx = \dots$$

$$-\frac{5}{x} + c$$

$$\int \frac{5}{x^2} dx = \dots$$

$$\frac{1}{3}x\sqrt{x} + c$$

$$\int \frac{1}{4}x^2 dx = \dots$$

$$\sqrt{x} + c$$

$$\int \frac{1}{2}\sqrt{x} dx = \dots$$

$$2x^3 + c$$

$$\int \frac{1}{2\sqrt{x}} dx = \dots$$

$$\frac{1}{12}x^3 + c$$





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D. Sifat Integral 4

$$\int 2x + 3 \, dx = \dots$$

$$x^2 + 3x + c$$

$$\int 6x^2 - 2x + 3 \, dx = \dots$$

$$2x^3 - x^2 + 3x + c$$

$$\int (4x^2 - 6)(5x^2 + 3) \, dx = \dots$$

$$4x^5 + 14x^3 - 18x + c$$

$$\int (x^3 + 1)x \, dx = \dots$$

$$\frac{1}{4}x^4 + \frac{1}{2}x^2 + c$$

$$\int \frac{x^3 + 5x^2 - 4}{x^2} \, dx = \dots$$

$$\frac{1}{2}x^2 + 5x + \frac{4}{x} + c$$

