

1.

$$(1) \int x^2 dx \quad (2) \int x^7 dx \quad (3) \int (x^5 - x^9) dx$$

$$(4) \int \sqrt{x} dx \quad (5) \int \sqrt[5]{x} dx \quad (6) \int x^{\frac{2}{3}} dx$$

$$(7) \int \frac{1}{x^3} dx \quad (8) \int \frac{1}{\sqrt{x}} dx \quad (9) \int \left(x + \frac{1}{x}\right) dx$$

$$(10) \int (2x + 1)^2 dx \quad (11) \int (5x - 3)^7 dx \quad (12) \int \frac{dx}{2x + 3}$$

2.

$$(1) \int e^x dx \quad (2) \int e^{2x-9} dx \quad (3) \int e^{4-8x} dx$$

$$(4) \int 5^x dx \quad (5) \int 6^x dx \quad (6) \int \frac{1}{7^x} dx$$

3.

$$(1) \int \sin x dx \quad (2) \int \sin(9x - 4) dx \quad (3) \int \sin(2x - 3) dx$$

$$(4) \int \sin(3 - 2x) dx \quad (5) \int \cos x dx \quad (6) \int \cos(9x - 4) dx$$

$$(7) \int \cos(2x - 3) dx \quad (8) \int \cos(3 - 2x) dx \quad (9) \int \frac{dx}{\cos^2 x}$$

$$(10) \int \frac{dx}{\cos^2 5x} \quad (11) \int \frac{dx}{\sqrt{1-x^2}} \quad (12) \int \frac{dx}{\sqrt{1-25x^2}}$$

$$(13) \int \frac{dx}{x^2 + 1} \quad (14) \int \frac{dx}{9x^2 + 1}$$