

積分を求めよ

組 番 ふりがな 氏名 _____

(1) $\int 3x^5 dx$

答. _____

(2) $\int x^{\frac{3}{5}} dx$

答. _____

(3) $\int x^{-\frac{2}{3}} dx$

答. _____

(4) $\int (3x^4 + 2x^3 - x^2 + x^{-1}) dx$

答 _____

(5) $\int (3x + 5)^9 dx$

答 _____

(6) $\int \sqrt[3]{(6x + 1)^5} dx$

答 _____

(7) $\int \sin 2x dx$

答. _____

(8) $\int \cos 5x dx$

答. _____

(9) $\int \sin(7x + 3) dx$

答. _____

(10) $\int \cos(3x - 1) dx$

答. _____

$$(11) \int \frac{1}{\cos^2 5x} dx$$

答. _____

$$(15) \int e^{2x} dx$$

答. _____

$$(12) \int \frac{1}{\cos^2(2x-1)} dx$$

答. _____

$$(16) \int e^{5x-3} dx$$

答. _____

$$(13) \int \sin^5 x \cos x dx$$

答 _____

$$(17) \int \frac{x}{x^2+1} dx$$

答 _____

$$(14) \int \cos^4 x \sin x dx$$

答 _____

$$(18) \int \frac{x^5 + x^2}{x^6 + 2x^3 + 5} dx$$

答 _____