

Droodle for Integration Techniques

ANSWERS

Title 1: $\frac{B}{10} \frac{O}{23} \frac{X}{14} \quad \frac{O}{23} \frac{F}{20} \quad \frac{C}{6} \frac{H}{21} \frac{I}{11} \frac{C}{6} \frac{K}{16} \frac{E}{5} \frac{N}{8}$
 $\frac{P}{13} \frac{O}{23} \frac{X}{14}$

Title 2: $\frac{F}{20} \frac{L}{1} \frac{Y}{19} \frac{I}{11} \frac{N}{8} \frac{G}{7} \quad \frac{S}{25} \frac{A}{12} \frac{U}{26} \frac{C}{6} \frac{E}{5} \frac{R}{3}$
 $\frac{T}{4} \frac{R}{3} \frac{A}{12} \frac{F}{20} \frac{F}{20} \frac{I}{11} \frac{C}{6} \quad \frac{J}{2} \frac{A}{12} \frac{M}{24}$

Title 3: $\frac{S}{25} \frac{C}{6} \frac{R}{3} \frac{I}{11} \frac{P}{13} \frac{T}{4} \quad \frac{F}{20} \frac{O}{23} \frac{R}{3} \quad \frac{A}{12}$
 $\frac{S}{25} \frac{P}{13} \frac{O}{23} \frac{T}{4} \quad \frac{A}{12} \frac{N}{8} \frac{N}{8} \frac{O}{23} \frac{U}{26} \frac{N}{8} \frac{C}{6} \frac{E}{5}$
 $\frac{M}{24} \frac{E}{5} \frac{N}{8} \frac{T}{4}$

Title 4: $\frac{S}{25} \frac{P}{13} \frac{O}{23} \frac{T}{4} \frac{S}{25} \quad \frac{F}{20} \frac{O}{23} \frac{R}{3} \quad \frac{A}{12} \frac{N}{8}$
 $\frac{A}{12} \frac{L}{1} \frac{B}{10} \frac{I}{11} \frac{N}{8} \frac{O}{23} \quad \frac{L}{1} \frac{E}{5} \frac{O}{23} \frac{P}{13} \frac{A}{12} \frac{R}{3} \frac{D}{17}$

L 1. $\int_{-1}^8 \frac{|x|}{x} dx$

J 2. $\int \sqrt{\sin x} \cos x dx$

R 3. $\int_{-3}^3 (x - \sin x) dx$

T 4. $\int_0^1 \frac{e^x + 3}{e^x} dx$

E 5. $\int_1^e \frac{dx}{x}$

C 6. $\int_0^2 \frac{x dx}{x^2 + 2}$

$$\underline{G} \quad 7. \quad \int_0^{\ln 3} e^{2x} dx$$

$$\underline{N} \quad 8. \quad \int_0^{\frac{\pi}{2}} e^{\cos x} \sin(x) dx$$

$$\underline{V} \quad 9. \quad \int_{\frac{1}{3}}^0 (3x - 1)^5 dx$$

$$\underline{B} \quad 10. \quad \int_0^1 (x + 1) e^{x^2 + 2x} dx$$

$$\underline{I} \quad 11. \quad \int_0^{\frac{\pi}{4}} \tan^2 x dx$$

$$\underline{A} \quad 12. \quad \int_0^{\frac{1}{2}} \frac{2x dx}{\sqrt{1 - x^2}}$$

$$\underline{P} \quad 13. \quad \int \frac{5 dx}{1 + x^2}$$

$$\underline{X} \quad 14. \quad \int_1^2 \frac{x - 4}{x^2} dx$$

$$\underline{Q} \quad 15. \quad \int \frac{\ln x}{x} dx$$

$$\underline{K} \quad 16. \quad \int \frac{\sin x - \cos x}{\sin x + \cos x} dx$$

$$\underline{D} \quad 17. \quad \int x \ln(x) dx$$

$$\underline{Z} \quad 18. \quad \int e^x \cos(x) dx$$

$$\underline{Y} \quad 19. \quad \int \sec^3 x dx$$

$$\underline{F} \quad 20. \quad \int \ln x dx$$

$$\underline{H} \quad 21. \quad \int \frac{x^3 - 2x + 3}{x^2 - 2x - 3} dx$$

$$\underline{W} \quad 22. \quad \int \frac{x dx}{x + 2}$$

$$\underline{O} \quad 23. \quad \int x^2 e^x dx$$

$$\underline{M} \quad 24. \quad \int (\sin x)^{\frac{1}{3}} \cos^3 x dx$$

$$\underline{S} \quad 25. \quad \int \frac{dx}{x^2 + 4x}$$

$$\underline{U} \quad 26. \quad \int \frac{x^2 - x + 2}{x^2 - 1} dx$$