

Integral Bingo

$\int 3x^2(x^3 + 4)^5 dx$	$\int 7x^4 e^{x^5} dx$	$\int x \ln x dx$	$\int \frac{5}{9x^2 + 1} dx$	$\int \frac{2}{2x + 5} dx$
$\int_{-2}^0 \frac{dx}{(x+1)^{1/3}}$	$\int \frac{x^2}{\sqrt{x^3 + 4}} dx$	$\int \frac{1}{x^2 - 4} dx$	$\int \sin^{10} x \cos x dx$	$\frac{dy}{dx} = \frac{y}{x(x+1)}$ $y(1) = 3$
$\int 2x \cos(x^2) dx$	$\int \frac{2x-1}{x^2 - x - 6} dx$	$\int \frac{-2x}{x^2 + 4} dx$	$\int_{-\infty}^{\infty} e^{-2x} dx$	$\int e^x \cos(2x) dx$
$\int_0^1 \frac{1}{1-x} dx$	$\int x e^{x^2} dx$	$\frac{dy}{dx} = 3x^2 e^{-y}$ $y(0) = 1$	$\int x e^x dx$	$\int \frac{3x+11}{x^2 - x - 6} dx$
$\int \frac{\ln^7 x}{x} dx$	$\int (x+1) \sin(x^2 + 2x) dx$	$\int \frac{1}{x^2 + 16} dx$	$\int \frac{e^x}{1 + e^x} dx$	$\int \frac{\sin x}{(\cos x)^5} dx$

Bump it up	Exponential (e^x)	Tabular	arctangent	Natural Log (ln)
Improper with a split and $b \rightarrow -1$ Flip it up and Bump it up	Flip it up and Bump it up	Partial Fractions	Bump it up	Separate and Integrate then Find C
Trig Function	Natural Log (ln)	Natural Log (ln)	Improper with a split and $b \rightarrow -\infty$ $b \rightarrow \infty$ Exponential (e^x)	Tabular
Improper with a split and $b \rightarrow 1$ Natural Log (ln)	Exponential (e^x)	Separate and Integrate then Find C	Tabular	Partial Fractions
Bump it up	Trig Function	arctangent	Natural Log (ln)	Flip it up and Bump it up