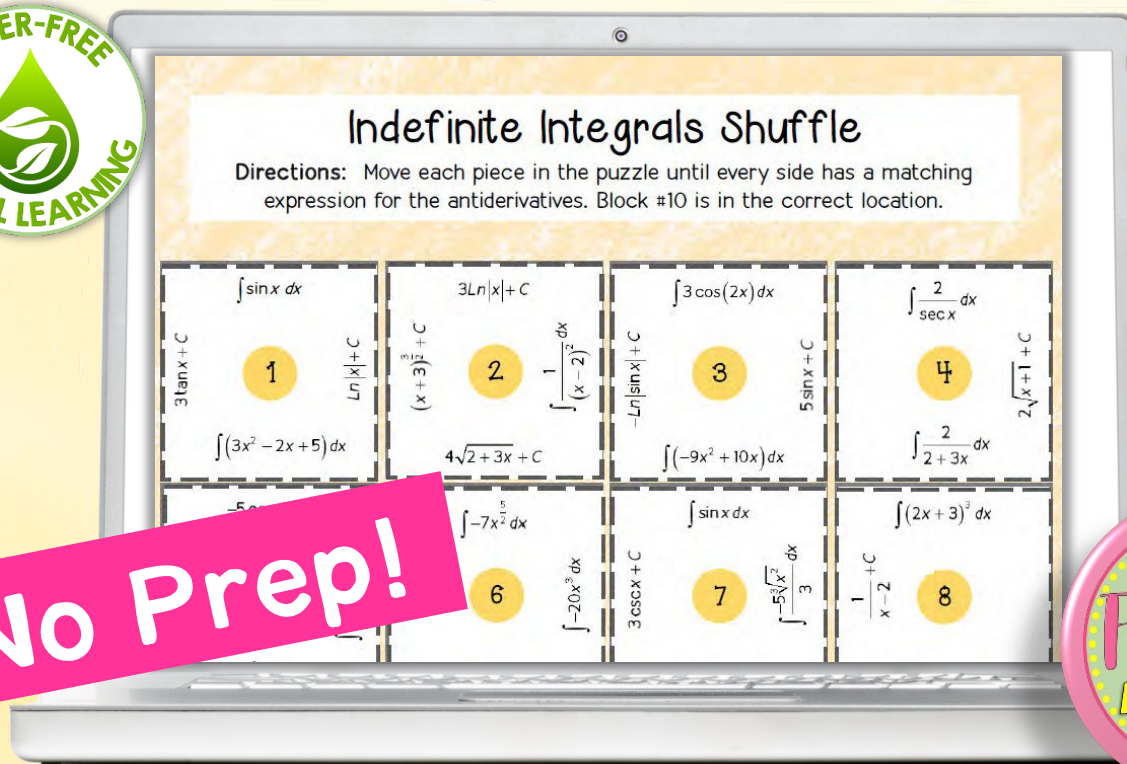


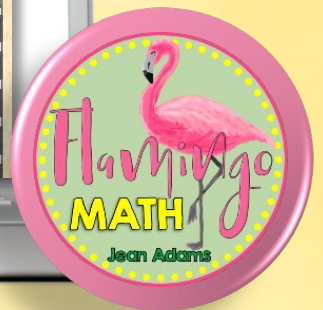
AP[®] Calculus

Digital Calculus

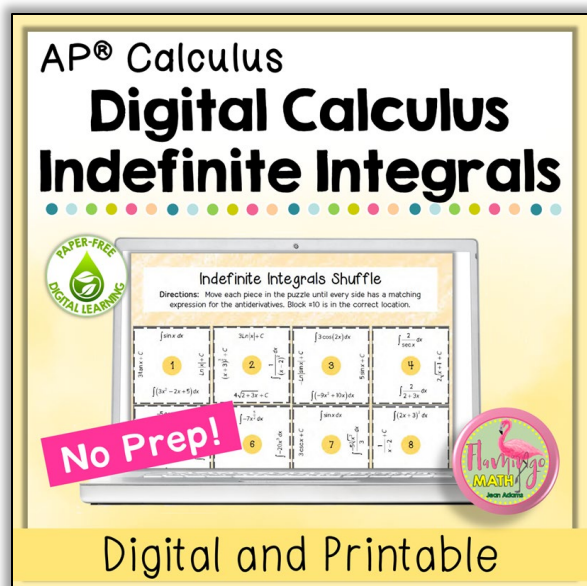
Indefinite Integrals



No Prep!



Digital and Printable



AP Calculus Indefinite Integrals Shuffle for Google™ Drive

Your AP Calculus students will have 16 digital cards that shuffle to complete this drag and drop activity.

Digital Calculus Indefinite Integrals Shuffle

This activity is a Digital Card Shuffle for students in AP CALCULUS AB, BC, or college Calculus. There are 16 cards in the sort and are scrambled in **GOOGLE SLIDES**. Students can interact with the activity on their one-to-one devices.

There is also a set of black-and-white cards to create a hands-on cut-and-paste activity, if you are in need of this feature.

***NOTE: YOU AND YOUR STUDENTS MUST HAVE ACCESS TO THE INTERNET TO BEGIN TO INTERACT WITH THE LESSON!**

Google Slides Version: No glue, no cutting, no pasting!

Cards are
movable

Indefinite Integrals Shuffle

Place each piece in the puzzle until every side has a matching expression. Block #10 is in the correct location.

$\int \sin x \, dx$ $3 \tan x + C$ 1 $\int (3x^2 - 2x + 5) \, dx$	$3 \ln x + C$ $(x+3)^{-1/2} + C$ 2 $4\sqrt{2+3x} + C$	$\int 3 \cos(2x) \, dx$ $-\ln \sin x + C$ 3 $\int (-9x^2 + 10x) \, dx$	$\int \frac{2}{\sec x} \, dx$ $5 \sin x + C$ 4 $\int \frac{2}{2+3x} \, dx$
$-5 \cos x + C$ $\frac{1}{x^2} + C$ 5 $\int e^{2x} \, dx$	$\int -7x^{5/2} \, dx$ $\int x^{-1} \, dx$ 6 $2e^x + C$	$\int \sin x \, dx$ $3 \csc x + C$ 7 $\int \cos x \, dx$	$\int (2x+3)^{1/2} \, dx$ $\frac{1}{x-2} + C$ 8 $\int 6 \cos x \, dx$
$\int -4x^{-3} - 20x^{-5} \, dx$ $4 \tan x + C$ 9 $2 \sin x + C$	$x^3 - x^2 + 5x + C$ $\int \frac{1}{\sqrt{x}-1} \, dx$ 10 $\int \frac{5}{\csc x} \, dx$	$\frac{2}{3} \ln 3x+2 + C$ $\int -2x^{-3} \, dx$ 11 $5 \sec x \tan x + C$	$\int 4e^{3x} \, dx$ $-\frac{1}{x^2} + C$ 12 $\int -\cot x \, dx$
$\int 2e^x \, dx$ $\int 3x^{-1} \, dx$ 13	$\int 6x^5 \, dx$ $x^2 - x^4 + C$ 14	$-3x^3 + 5x^2 + C$ $-4 \ln \sec x + C$ 15	$\int -4 \tan x \, dx$ $\int 2 \csc x \cot x \, dx$ 16 $\frac{1}{8}(2x+3)^4 + C$

FLAMINGO MATH

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Indefinite Integrals Shuffle

Directions: Cut out each puzzle piece, find the sides that have matching expressions for the integral and antiderivative. Then, glue them onto this page. Block #10 is marked as correct for a place to start.

		10	

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Run cards on a separate sheet of paper to cut and paste.

Blackline Masters for an alternate choice!

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