Maths Toolkit #1 Differentiating & Integrating Time Allowed = 5 mins

$y = \cos 3x$ $\frac{dy}{dx} =$	$y = e^{-3x}$ $\frac{dy}{dx} =$	$y = \ln 5x$ $\frac{dy}{dx} =$	$y = \tan \alpha x$ $\frac{dy}{dx} =$y	$y = e^{-\frac{1}{2}x}$ $\frac{dy}{dx} =$
$\int \frac{1}{2x+1} dx$ $=$	$\int \sin 4x \, dx$ $=$	$\int e^{2x+1} dx$ $=$	$\int \frac{2}{x} dx$ $=$	$\int \sec^2(2x) \, dx$ $=$
$y = e^{x^2+3}$ $\frac{dy}{dx} =$	$y = \tan \frac{1}{3}x$ $\frac{dy}{dx} =$	$y = \ln x^2$ $\frac{dy}{dx} =$	$y = -e^{5+x}$ $\frac{dy}{dx} =$	$y = \ln(\sin x)$ $\frac{dy}{dx} =$
$\int \cos(x+\pi) \, dx$ $=$	$\int e^{\frac{1}{2}x} dx$ $=$	$\int \frac{1}{3-x} dx$ $=$	$\int e^{-\frac{1}{5}x+2} dx$ $=$	$\int \frac{5}{2x-1} dx$ $=$
$y = \ln\left(\frac{x}{x+1}\right)$ $\frac{dy}{dx} =$	$y = e^{2x+3} + 1$ $\frac{dy}{dx} =$	$y = \frac{1}{2}e^{5x} + 2x$ $\frac{dy}{dx} =$	$y = \ln(\cos 2x)$ $\frac{dy}{dx} =$	$y = \ln e$ $\frac{dy}{dx} =$

Score:

%

BLS
Brooks Learning Strategies