

Name: _____

Net ID: _____

You can submit this worksheet to Gradescope within 24 hours for 1 participation point.

“Mad Minute” integration

Antidifferentiate as many of the following functions as you can in two minutes. You may, for the purposes of this assignment, omit the added constant, C .

Function	Antiderivative
$\sin(x)$	
e^x	
x^3	
x^{-1}	
$(1 + x^2)^{-1}$	
$\sec^2(x)$	
2^x	
e	
$\sec(x) \tan(x)$	
$(1 - x^2)^{-1/2}$	
$\csc^2(x)$	
$x(2 + x)$	
$(x - 2)^{-1}$	
$\csc(x) \cot(x)$	