ICE - Short-Cuts for Antiderivatives

- ***Use your knowledge of derivatives from Math Xa to complete the table on the left hand side of this page.***

- ***When you have finished finding derivatives, use your understanding of anti-derivatives to complete the table on the right hand side of this page.***

F(x)	Derivative	f(x)	Anti-derivative
$F(x) = m \cdot x + b$		$f(x) = m$	
$F(x) = \frac{x^{n+1}}{n+1} + C$		$f(x) = x^n$	
$F(x) = \frac{A \cdot B^x}{\ln(B)} + C$		$f(x) = A \cdot B^x$	
$F(x) = e^x + C$		$f(x) = e^x$	
$F(x) = \ln(x) + C$		$f(x) = \frac{1}{x}$	

You might like to keep this page as a reference guide as it summarizes many of the antiderivative rules that you will need to know for Math Xb.