Chain Rule	$y = uv$	$y = xsinx$	$\frac{dy}{dx} = cosx$
$y = lnx$	$\frac{dy}{dx} = \frac{v\frac{du}{dx} - u\frac{dv}{dx}}{v^2}$	$y = 3xcos(5x - \pi)$	$y = e^x$
$\frac{dy}{dx} = e^x$	Finish	$y = \frac{x}{x^2 + 5}$	$\frac{dy}{dx} = \frac{1}{x}$
$y = \frac{5e^{sin3x}}{x}$	Product Rule only	$y = \frac{u}{v}$	Quotient Rule and Chain Rule
$\frac{dy}{dx} = v\frac{du}{dx} + u\frac{dv}{dx}$	Quotient Rule only	$y = \frac{xe^{2x}}{sin3x}$	Product Rule and Chain Rule