					Start
					$y=(3x^2-2)^4$
$\frac{dy}{dx}=\frac{1}{x}$	$y=\frac{x}{x^2+5}$	*Quotient rule only*	$\frac{dy}{dx}=v\frac{du}{dx}+u\frac{dv}{dx}$	$y=uv$	*Chain Rule*
$y=lnx$					
$\frac{dy}{dx}=\frac{v\frac{du}{dx}-u\frac{dv}{dx}}{v^2}$					
$y=\frac{u}{v}$	*Quotient rule and chain rule*	$y=\frac{5e^{sin3x}}{x}$	*product rule only*	$y=xsinx$	$\frac{dy}{dx}=cosx$
					$y=sinx$
					Product rule, quotient rule and chain rule
Finish	$\frac{dy}{dx}=e^x$	$y=e^x$	$y=3xcos(5x-\pi)$	*Product rule and chain rule*	$y=\frac{xe^{2x}}{sin3x}$