$y = e^{x}(4x^{2}+3)$	$y = e^{2x+1}$	$y = (x+3)^{2}(2x-x^{2})$	$dy/dx = e^{x}(4x+3) + 4e^{x}$
$y = (x+1)e^{2x+1}$	$y = (2x+3)^{4}(x+3)^{4}$	$dy/dx = 2e^{2x+1}$	$y = e^{x}(2x+3)$
$y = e^{2x^{2}+x}$	$dy/dx = e^{x}(4x^{2}+3) + 8xe^{x}$	$y = e^{2x}(2x+3)$	$y = (x+3)^{4}(x+3)^{4}$
$y = e^{x}(4x+3)$	$y = (6x+3)^{-4}$	$dy/dx = -2(2e^{2x}+1)(x+e^{2x})^{-2}$	$dy/dx = (x+1)(2)e^{2x+1} + e^{2x+1}$

$dy/dx = e^x(2x+3) + 2e^x$	$y = \dfrac{2}{x+e^{2x}}$	$dy/dx = 4(x+3)^3(x+3)^4 + 4(x+3)^4(x+3)^3$	$y = e^x(4x^2+3x)$
$dy/dx = -2e^x(1+e^x)^{-2}$	$y = e^{2x}(4x^2+3x)$	$dy/dx = -24(6x+3)^{-5}$	$dy/dx = 2e^{2x}(2x+3) + 2e^x$
$dy/dx = 8(2x+3)^3(x+3)^4 + 4(2x+3)^4(x+3)^3$	$dy/dx = 2(x+3)(2x-x^2) + (x+3)^2(2-2x)$	$dy/dx = 2e^{2x}(4x^2+3x) + (8x+3)e^{2x}$	Finish
$dy/dx = e^x(4x^2+3x) + (8x+3)e^x$	$y = \dfrac{2}{1+e^x}$	Start	$dy/dx = (4x+1)e^{2x^2+x}$