

$y' = (2x-3)(x^2+2x-1) + (2x+2)(x^2-3x+3)$	$y = (x^2-3x+3)(x^2+2x-1)$.1
$y' = (3x^2-3)(x^4+x^2-1) + (4x^3+2x)(x^3-3x+2)$	$y = (x^3-3x+2)(x^4+x^2-1)$.2
$y' = \frac{1}{2\sqrt{x}} \left(\frac{1}{\sqrt{x}} - 1 \right) + \left(\frac{0 \cdot \sqrt{x} - \frac{1}{2\sqrt{x}}}{x} \right) (\sqrt{x} + 1)$	$y = (\sqrt{x} + 1) \left(\frac{1}{\sqrt{x}} - 1 \right)$.3
$y' = 2x \cdot (x^2 - 4)(x^2 - 9) + (x^2 - 1)2x \cdot (x^2 - 9) + (x^2 - 1)(x^2 - 4)2x$	$y = (x^2 - 1)(x^2 - 4)(x^2 - 9)$.4
$y' = \frac{1}{2\sqrt{x}} (\sqrt{2x} + 1)(\sqrt{3x} + 1) + (\sqrt{x} + 1) \left(\frac{1}{2\sqrt{2x}} \cdot 2 \right) (\sqrt{3x} + 1) + (\sqrt{x} + 1)(\sqrt{2x} + 1) \left(\frac{1}{2\sqrt{3x}} \cdot 3 \right)$	$y = (\sqrt{x} + 1)(\sqrt{2x} + 1)(\sqrt{3x} + 1)$.5
$y' = \frac{1 \cdot (x-1) - 1 \cdot (x+1)}{(x-1)^2}$	$y = \frac{x+1}{x-1}$.6
$y' = \frac{1 \cdot (x^2+1) - 2x \cdot x}{(x^2+1)^2}$	$y = \frac{x}{x^2+1}$.7
$y' = \frac{-3x^2 \cdot (x^3+1) - 3x^2 \cdot (1-x^3)}{(x^3+1)^2}$	$y = \frac{1-x^3}{x^3+1}$.8
$y' = 4(2x^3+3x^2+6x+1)(6x^2+6x+6)$	$y = (2x^3+3x^2+6x+1)^3$.9
$y' = 3 \left(\frac{x^2+1}{x^2-1} \right)^2 \frac{2x \cdot (x^2-1) - 2x \cdot (x^2+1)}{(x^2-1)^2}$	$y = \left(\frac{x^2+1}{x^2-1} \right)^3$.10
$y' = \frac{0 \cdot \sqrt{a^2-x^2} - \frac{1}{2\sqrt{a^2-x^2}} \cdot (-2x) \cdot 1}{(\sqrt{a^2-x^2})^2}$	$y = \frac{1}{\sqrt{a^2-x^2}}$.11
$y' = 3(x^2-1)^3 \cdot (2x) \cdot (x^2-4) + 4(x^2-4)^3 \cdot (2x) \cdot (x^2-1)^3$	$y = (x^2-1)^3 \cdot (x^2-4)^3$.12
$y' = \frac{\left(1 + \frac{1}{2\sqrt{x}}\right) \cdot \sqrt{x^2+x+1} - \frac{1}{2\sqrt{x^2+x+1}} \cdot (2x+1) \cdot (x+\sqrt{x})}{(\sqrt{x^2+x+1})^2}$	$y = \frac{x+\sqrt{x}}{\sqrt{x^2+x+1}}$.13
$y' = \frac{3(3x+1)^2 \cdot 3 \cdot (4x-3)^4 - 4(4x-3)^3 \cdot 4(3x+1)^3}{((4x-3)^4)^2}$	$y = \frac{(3x+1)^3}{(4x-3)^4}$.14
$y' = \frac{1}{2 \cdot \sqrt{\frac{\sqrt{x}+1}{\sqrt{x}-1}}} \cdot \frac{\frac{1}{2\sqrt{x}}(\sqrt{x}-1) - \frac{1}{2\sqrt{x}}(\sqrt{x}+1)}{(\sqrt{x}-1)^2}$	$y = \sqrt{\frac{\sqrt{x}+1}{\sqrt{x}-1}}$.15
$y' = \frac{1}{2\sqrt{x+\sqrt{x+\sqrt{x}}}} \cdot \left(1 + \frac{1}{2\sqrt{x+\sqrt{x}}} \left(1 + \frac{1}{2\sqrt{x}} \right) \right)$	$y = \sqrt{x+\sqrt{x+\sqrt{x}}}$.16
$y = 2x\sqrt{x^2+x+1} + \frac{1}{2\sqrt{x^2+x+1}}(2x+1)x^2$	$y = x^2\sqrt{x^2+x+1}$.17