

The Chain Rule

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Ex. $y = (4 - 3x)^9$

Ex. $y = \cot\left(\pi - \frac{1}{x}\right)$

Ex. $r = \sin(\theta^2)\cos(2\theta)$

Try It: $y = (3x^2 + 1)^2$

Try It: $y = \frac{1}{(1-2x)^3}$

Try It: $y = 5 \cos^{-4} x$

Try It: $y = \cos\left(5 \sin\left(\frac{x}{3}\right)\right)$