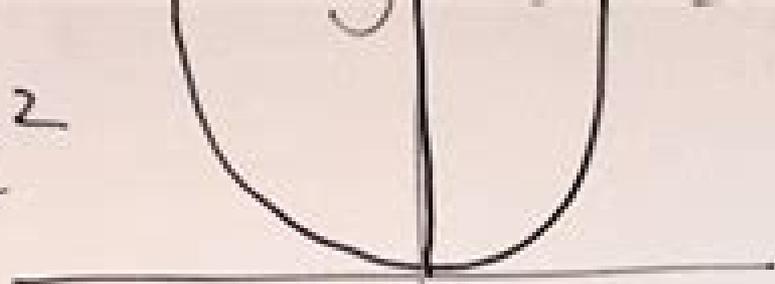


$$y = f(x) = x^2$$

$$I = (-\infty, 0]$$



$$y = x^2$$

$$I = (\infty, \infty)$$

$$(7x+9)^{\frac{2}{3}} \frac{d}{dx} \left[ (3x^5 + 4)^2 \right]$$

$$(7x+9)^{\frac{2}{3}} \left[ 2(3x^5 + 4) \frac{d}{dx} (3x^5 + 4) \right]$$

$$\left[ 2(3x^5 + 4) (15x^4) \right]$$

# Actuarial Mathematics

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