

1. In Exercises 1–12, find the first and second derivatives.

a. $y = 4 - 2x - x^{-3}$

development

$$y' = 3x^{-4} - 2$$

$$= \left(\frac{d}{dx} x^n = nx^{(n-1)} \right)$$

$$y'' = -12x^{-5}$$

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thanks