

Handwritten notes at the top of the page, possibly including a date or page number.

Main body of handwritten text, appearing to be a list or series of entries.

Continuation of handwritten text, possibly concluding the notes or providing a summary.

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माना $\frac{1}{x} = x^{-1}$ है। अतः $\frac{d}{dx} x^{-1} = -1 x^{-2} = -\frac{1}{x^2}$

अतः, $\frac{d}{dx} \frac{1}{x} = -\frac{1}{x^2}$

- ① माना $y = x^2 + 3x - 5$ है।
④ $\frac{d}{dx} (x^2 + 3x - 5) = 2x + 3$
- ② माना $y = \sqrt{x}$ है।
④ $\frac{d}{dx} \sqrt{x} = \frac{1}{2\sqrt{x}}$
- ③ माना $y = \frac{1}{x}$ है।
④ $\frac{d}{dx} \frac{1}{x} = -\frac{1}{x^2}$
- ④ माना $y = x^3 + 2x^2 - 5x + 7$ है।
को $\frac{d}{dx} y$ ज्ञात कीजिए।
④ $\frac{d}{dx} (x^3 + 2x^2 - 5x + 7) = 3x^2 + 4x - 5$
- ⑤ माना $y = \frac{1}{x^2}$ है।
④ $\frac{d}{dx} \frac{1}{x^2} = -\frac{2}{x^3}$
- ⑤ माना $y = \frac{1}{x^3}$ है।
④ $\frac{d}{dx} \frac{1}{x^3} = -\frac{3}{x^4}$