

5. $\frac{1}{x^2} = x^{-2}$ $\frac{d}{dx} x^{-2} = -2x^{-3} = -\frac{2}{x^3}$ $\frac{d}{dx} \frac{1}{x^2} = -\frac{2}{x^3}$
6. $\frac{d}{dx} \ln(x) = \frac{1}{x}$ $\frac{d}{dx} \ln\left(\frac{1}{x}\right) = \frac{d}{dx} \ln(x^{-1}) = \frac{1}{x} \cdot (-1) = -\frac{1}{x}$
7. $\frac{d}{dx} \ln(x^2) = \frac{1}{x^2} \cdot 2x = \frac{2}{x}$
8. $\frac{d}{dx} \ln(x^2 + 1) = \frac{1}{x^2 + 1} \cdot 2x = \frac{2x}{x^2 + 1}$

دکترای مصدق شده:

دکترای رسیده به تعداد ۷ نفر و ۸ نفر
 به تعداد ۵ نفر و ۵ نفر رسیده است.

دکترای رسیده به تعداد:

- $\frac{d}{dx} \ln(x^2) = \frac{2}{x}$
- $\frac{d}{dx} \ln(x^3) = \frac{3}{x}$
- $\frac{d}{dx} \ln(x^4) = \frac{4}{x}$
- $\frac{d}{dx} \ln(x^5) = \frac{5}{x}$
- $\frac{d}{dx} \ln(x^6) = \frac{6}{x}$
- $\frac{d}{dx} \ln(x^7) = \frac{7}{x}$
- $\frac{d}{dx} \ln(x^8) = \frac{8}{x}$
- $\frac{d}{dx} \ln(x^9) = \frac{9}{x}$
- $\frac{d}{dx} \ln(x^{10}) = \frac{10}{x}$
- $\frac{d}{dx} \ln(x^{11}) = \frac{11}{x}$
- $\frac{d}{dx} \ln(x^{12}) = \frac{12}{x}$
- $\frac{d}{dx} \ln(x^{13}) = \frac{13}{x}$
- $\frac{d}{dx} \ln(x^{14}) = \frac{14}{x}$
- $\frac{d}{dx} \ln(x^{15}) = \frac{15}{x}$
- $\frac{d}{dx} \ln(x^{16}) = \frac{16}{x}$
- $\frac{d}{dx} \ln(x^{17}) = \frac{17}{x}$
- $\frac{d}{dx} \ln(x^{18}) = \frac{18}{x}$
- $\frac{d}{dx} \ln(x^{19}) = \frac{19}{x}$
- $\frac{d}{dx} \ln(x^{20}) = \frac{20}{x}$

<p>... (a) ...</p> <p>... (b) ...</p> <p>... (c) ...</p>	
<p>... 8 ...</p>	<p>... 8 ...</p>
<p>... 2024 ... 28 ... 12:00 ...</p>	<p>... 2024 ... 28 ... 12:00 ...</p>
<p>... 2024 ... 14 ... 30 ...</p>	<p>... 2024 ... 14 ... 30 ...</p>

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