









(3)  $\frac{1}{x^2} = x^{-2}$   $\frac{d}{dx} x^{-2} = -2x^{-3} = -\frac{2}{x^3}$   $\frac{d}{dx} \frac{1}{x^2} = -\frac{2}{x^3}$

9.  $\frac{d}{dx} \ln(x^2 + 1) = \frac{1}{x^2 + 1} \cdot 2x = \frac{2x}{x^2 + 1}$

(1)  $\frac{d}{dx} \ln(x^2 + 1) = \frac{2x}{x^2 + 1}$

(1)  $\frac{d}{dx} \ln(x^2 + 1) = \frac{2x}{x^2 + 1}$

(2)  $\frac{d}{dx} \ln(x^2 + 1) = \frac{2x}{x^2 + 1}$

(3)  $\frac{d}{dx} \ln(x^2 + 1) = \frac{2x}{x^2 + 1}$

(4)  $\frac{d}{dx} \ln(x^2 + 1) = \frac{2x}{x^2 + 1}$

(5)  $\frac{d}{dx} \ln(x^2 + 1) = \frac{2x}{x^2 + 1}$



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(a) 11.10.2013  
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(b) 11.10.2013  
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12. 11.10.2013  
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