



عَرَفُوا رَبَّهُمْ رَحْمَةً وَرُحْمًا



5.  $\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$   
 $\frac{1}{2} \times \frac{1}{4} = \frac{1}{8}$   
 $\frac{1}{4} \times \frac{1}{4} = \frac{1}{16}$   
 $\frac{1}{8} \times \frac{1}{8} = \frac{1}{64}$

6.  $\frac{1}{x^2} = x^{-2}$   
 $\frac{d}{dx} x^{-2} = -2x^{-3}$   
 $= -\frac{2}{x^3}$   
 $= -\frac{2}{x^2 \cdot x} = -\frac{2}{x^3}$

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7.  $\frac{1}{x^2} = x^{-2}$   
 $\frac{d}{dx} x^{-2} = -2x^{-3}$   
 $= -\frac{2}{x^3}$   
 $= -\frac{2}{x^2}$

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(۷)  $\frac{1}{x^2} = x^{-2}$   $\frac{d}{dx} x^{-2} = -2x^{-3} = -\frac{2}{x^3}$   
 $\frac{d}{dx} \frac{1}{x^2} = -\frac{2}{x^3}$   
 $\frac{d}{dx} \frac{1}{x^3} = -\frac{3}{x^4}$   
 $\frac{d}{dx} \frac{1}{x^4} = -\frac{4}{x^5}$   
 $\frac{d}{dx} \frac{1}{x^5} = -\frac{5}{x^6}$   
 $\frac{d}{dx} \frac{1}{x^6} = -\frac{6}{x^7}$   
 $\frac{d}{dx} \frac{1}{x^7} = -\frac{7}{x^8}$   
 $\frac{d}{dx} \frac{1}{x^8} = -\frac{8}{x^9}$   
 $\frac{d}{dx} \frac{1}{x^9} = -\frac{9}{x^{10}}$

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(۴)  $\frac{1}{2} \frac{d}{dt} \left( \frac{1}{2} \frac{d^2 x}{dt^2} \right) = \frac{1}{2} \frac{d^3 x}{dt^3}$   $\frac{1}{2} \frac{d}{dt} \left( \frac{1}{2} \frac{d^2 x}{dt^2} \right) = \frac{1}{2} \frac{d^3 x}{dt^3}$   $\frac{1}{2} \frac{d}{dt} \left( \frac{1}{2} \frac{d^2 x}{dt^2} \right) = \frac{1}{2} \frac{d^3 x}{dt^3}$

(۴)  $\frac{1}{x^2} = x^{-2}$   $\frac{d}{dx} x^{-2} = -2x^{-3} = -\frac{2}{x^3}$   
 $\frac{d}{dx} \frac{1}{x^2} = -\frac{2}{x^3}$   
 $\frac{d}{dx} \frac{1}{x^3} = x^{-3}$   $\frac{d}{dx} x^{-3} = -3x^{-4} = -\frac{3}{x^4}$   
 $\frac{d}{dx} \frac{1}{x^3} = -\frac{3}{x^4}$   
 $\frac{d}{dx} \frac{1}{x^4} = x^{-4}$   $\frac{d}{dx} x^{-4} = -4x^{-5} = -\frac{4}{x^5}$   
 $\frac{d}{dx} \frac{1}{x^4} = -\frac{4}{x^5}$   
 $\frac{d}{dx} \frac{1}{x^5} = x^{-5}$   $\frac{d}{dx} x^{-5} = -5x^{-6} = -\frac{5}{x^6}$   
 $\frac{d}{dx} \frac{1}{x^5} = -\frac{5}{x^6}$

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17.  $\frac{1}{x^2} = x^{-2}$   $\frac{d}{dx} x^{-2} = -2x^{-3} = -\frac{2}{x^3}$   
 $\frac{1}{x^3} = x^{-3}$   $\frac{d}{dx} x^{-3} = -3x^{-4} = -\frac{3}{x^4}$   
 $\frac{1}{x^4} = x^{-4}$   $\frac{d}{dx} x^{-4} = -4x^{-5} = -\frac{4}{x^5}$   
 $\frac{1}{x^5} = x^{-5}$   $\frac{d}{dx} x^{-5} = -5x^{-6} = -\frac{5}{x^6}$   
 $\frac{1}{x^6} = x^{-6}$   $\frac{d}{dx} x^{-6} = -6x^{-7} = -\frac{6}{x^7}$   
 $\frac{1}{x^7} = x^{-7}$   $\frac{d}{dx} x^{-7} = -7x^{-8} = -\frac{7}{x^8}$   
 $\frac{1}{x^8} = x^{-8}$   $\frac{d}{dx} x^{-8} = -8x^{-9} = -\frac{8}{x^9}$   
 $\frac{1}{x^9} = x^{-9}$   $\frac{d}{dx} x^{-9} = -9x^{-10} = -\frac{9}{x^{10}}$   
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 $\frac{1}{x^{69}} = x^{-69}$   $\frac{d}{dx} x^{-69} = -69x^{-70} = -\frac{69}{x^{71}}$ <

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30 مَحْرُومٌ مِنْ حُرِّ النَّارِ 1439

17 حَجَّ سَرَوِي 2018

اَبْرَدَدُور دُستَر دُور

حسب ما في رايك

