



سرسره نمبر: (IUL)199-HRS/199/2026/106

[illegible]

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

[illegible][illegible]

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

[illegible]

8. $\frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$ $\frac{1}{4} \times \frac{1}{5} = \frac{1}{20}$ $\frac{1}{6} \times \frac{1}{7} = \frac{1}{42}$ $\frac{1}{8} \times \frac{1}{9} = \frac{1}{72}$ $\frac{1}{10} \times \frac{1}{11} = \frac{1}{110}$ $\frac{1}{12} \times \frac{1}{13} = \frac{1}{156}$ $\frac{1}{14} \times \frac{1}{15} = \frac{1}{210}$ $\frac{1}{16} \times \frac{1}{17} = \frac{1}{272}$ $\frac{1}{18} \times \frac{1}{19} = \frac{1}{342}$ $\frac{1}{20} \times \frac{1}{21} = \frac{1}{420}$ $\frac{1}{22} \times \frac{1}{23} = \frac{1}{506}$ $\frac{1}{24} \times \frac{1}{25} = \frac{1}{600}$ $\frac{1}{26} \times \frac{1}{27} = \frac{1}{702}$ $\frac{1}{28} \times \frac{1}{29} = \frac{1}{812}$ $\frac{1}{30} \times \frac{1}{31} = \frac{1}{930}$ $\frac{1}{32} \times \frac{1}{33} = \frac{1}{1056}$ $\frac{1}{34} \times \frac{1}{35} = \frac{1}{1190}$ $\frac{1}{36} \times \frac{1}{37} = \frac{1}{1332}$ $\frac{1}{38} \times \frac{1}{39} = \frac{1}{1482}$ $\frac{1}{40} \times \frac{1}{41} = \frac{1}{1640}$ $\frac{1}{42} \times \frac{1}{43} = \frac{1}{1806}$ $\frac{1}{44} \times \frac{1}{45} = \frac{1}{1980}$ $\frac{1}{46} \times \frac{1}{47} = \frac{1}{2162}$ $\frac{1}{48} \times \frac{1}{49} = \frac{1}{2352}$ $\frac{1}{50} \times \frac{1}{51} = \frac{1}{2550}$ $\frac{1}{52} \times \frac{1}{53} = \frac{1}{2756}$ $\frac{1}{54} \times \frac{1}{55} = \frac{1}{2970}$ $\frac{1}{56} \times \frac{1}{57} = \frac{1}{3192}$ $\frac{1}{58} \times \frac{1}{59} = \frac{1}{3422}$ $\frac{1}{60} \times \frac{1}{61} = \frac{1}{3660}$ $\frac{1}{62} \times \frac{1}{63} = \frac{1}{3946}$ $\frac{1}{64} \times \frac{1}{65} = \frac{1}{4160}$ $\frac{1}{66} \times \frac{1}{67} = \frac{1}{4422}$ $\frac{1}{68} \times \frac{1}{69} = \frac{1}{4692}$ $\frac{1}{70} \times \frac{1}{71} = \frac{1}{4970}$ $\frac{1}{72} \times \frac{1}{73} = \frac{1}{5256}$ $\frac{1}{74} \times \frac{1}{75} = \frac{1}{5550}$ $\frac{1}{76} \times \frac{1}{77} = \frac{1}{5852}$ $\frac{1}{78} \times \frac{1}{79} = \frac{1}{6162}$ $\frac{1}{80} \times \frac{1}{81} = \frac{1}{6480}$ $\frac{1}{82} \times \frac{1}{83} = \frac{1}{6786}$ $\frac{1}{84} \times \frac{1}{85} = \frac{1}{7140}$ $\frac{1}{86} \times \frac{1}{87} = \frac{1}{7492}$ $\frac{1}{88} \times \frac{1}{89} = \frac{1}{7852}$ $\frac{1}{90} \times \frac{1}{91} = \frac{1}{8220}$ $\frac{1}{92} \times \frac{1}{93} = \frac{1}{8596}$ $\frac{1}{94} \times \frac{1}{95} = \frac{1}{8970}$ $\frac{1}{96} \times \frac{1}{97} = \frac{1}{9360}$ $\frac{1}{98} \times \frac{1}{99} = \frac{1}{9702}$ $\frac{1}{100} \times \frac{1}{101} = \frac{1}{10100}$ $\frac{1}{102} \times \frac{1}{103} = \frac{1}{10506}$ $\frac{1}{104} \times \frac{1}{105} = \frac{1}{10920}$ $\frac{1}{106} \times \frac{1}{107} = \frac{1}{11342}$ $\frac{1}{108} \times \frac{1}{109} = \frac{1}{11772}$ $\frac{1}{110} \times \frac{1}{111} = \frac{1}{12210}$ $\frac{1}{112} \times \frac{1}{113} = \frac{1}{12656}$ $\frac{1}{114} \times \frac{1}{115} = \frac{1}{13110}$ $\frac{1}{116} \times \frac{1}{117} = \frac{1}{13572}$ $\frac{1}{118} \times \frac{1}{119} = \frac{1}{14042}$ $\frac{1}{120} \times \frac{1}{121} = \frac{1}{14520}$ $\frac{1}{122} \times \frac{1}{123} = \frac{1}{15006}$ $\frac{1}{124} \times \frac{1}{125} = \frac{1}{15500}$ $\frac{1}{126} \times \frac{1}{127} = \frac{1}{15992}$ $\frac{1}{128} \times \frac{1}{129} = \frac{1}{16492}$ $\frac{1}{130} \times \frac{1}{131} = \frac{1}{16990}$ $\frac{1}{132} \times \frac{1}{133} = \frac{1}{17496}$ $\frac{1}{134} \times \frac{1}{135} = \frac{1}{18010}$ $\frac{1}{136} \times \frac{1}{137} = \frac{1}{18532}$ $\frac{1}{138} \times \frac{1}{139} = \frac{1}{19062}$ $\frac{1}{140} \times \frac{1}{141} = \frac{1}{19600}$ $\frac{1}{142} \times \frac{1}{143} = \frac{1}{20146}$ $\frac{1}{144} \times \frac{1}{145} = \frac{1}{20700}$ $\frac{1}{146} \times \frac{1}{147} = \frac{1}{21262}$ $\frac{1}{148} \times \frac{1}{149} = \frac{1}{21832}$ $\frac{1}{150} \times \frac{1}{151} = \frac{1}{22410}$ $\frac{1}{152} \times \frac{1}{153} = \frac{1}{22996}$ $\frac{1}{154} \times \frac{1}{155} = \frac{1}{23590}$ $\frac{1}{156} \times \frac{1}{157} = \frac{1}{24192}$ $\frac{1}{158} \times \frac{1}{159} = \frac{1}{24802}$ $\frac{1}{160} \times \frac{1}{161} = \frac{1}{25420}$ $\frac{1}{162} \times \frac{1}{163} = \frac{1}{26046}$ $\frac{1}{164} \times \frac{1}{165} = \frac{1}{26680}$ $\frac{1}{166} \times \frac{1}{167} = \frac{1}{27322}$ $\frac{1}{168} \times \frac{1}{169} = \frac{1}{27972}$ $\frac{1}{170} \times \frac{1}{171} = \frac{1}{28630}$ $\frac{1}{172} \times \frac{1}{173} = \frac{1}{29296}$ $\frac{1}{174} \times \frac{1}{175} = \frac{1}{30070}$ $\frac{1}{176} \times \frac{1}{177} = \frac{1}{30852}$ $\frac{1}{178} \times \frac{1}{179} = \frac{1}{31642}$ $\frac{1}{180} \times \frac{1}{181} = \frac{1}{32440}$ $\frac{1}{182} \times \frac{1}{183} = \frac{1}{33246}$ $\frac{1}{184} \times \frac{1}{185} = \frac{1}{34060}$ $\frac{1}{186} \times \frac{1}{187} = \frac{1}{34882}$ $\frac{1}{188} \times \frac{1}{189} = \frac{1}{35712}$ $\frac{1}{190} \times \frac{1}{191} = \frac{1}{36550}$ $\frac{1}{192} \times \frac{1}{193} = \frac{1}{37396}$ $\frac{1}{194} \times \frac{1}{195} = \frac{1}{38250}$ $\frac{1}{196} \times \frac{1}{197} = \frac{1}{39112}$ $\frac{1}{198} \times \frac{1}{199} = \frac{1}{39982}$ $\frac{1}{200} \times \frac{1}{201} = \frac{1}{40860}$ $\frac{1}{202} \times \frac{1}{203} = \frac{1}{41746}$ $\frac{1}{204} \times \frac{1}{205} = \frac{1}{42640}$ $\frac{1}{206} \times \frac{1}{207} = \frac{1}{43542}$ $\frac{1}{208} \times \frac{1}{209} = \frac{1}{44452}$ $\frac{1}{210} \times \frac{1}{211} = \frac{1}{45370}$ $\frac{1}{212} \times \frac{1}{213} = \frac{1}{46296}$ $\frac{1}{214} \times \frac{1}{215} = \frac{1}{47230}$ $\frac{1}{216} \times \frac{1}{217} = \frac{1}{48172}$ $\frac{1}{218} \times \frac{1}{219} = \frac{1}{49122}$ $\frac{1}{220} \times \frac{1}{221} = \frac{1}{50080}$ $\frac{1}{222} \times \frac{1}{223} = \frac{1}{51046}$ $\frac{1}{224} \times \frac{1}{225} = \frac{1}{52020}$ $\frac{1}{226} \times \frac{1}{227} = \frac{1}{52992}$ $\frac{1}{228} \times \frac{1}{229} = \frac{1}{53972}$ $\frac{1}{230} \times \frac{1}{231} = \frac{1}{54960}$ $\frac{1}{232} \times \frac{1}{233} = \frac{1}{55956}$ $\frac{1}{234} \times \frac{1}{235} = \frac{1}{56960}$ $\frac{1}{236} \times \frac{1}{237} = \frac{1}{57972}$ $\frac{1}{238} \times \frac{1}{2$

[illegible]

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

[illegible]

