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Evaluating logarithms worksheet

To continue to enjoy our site, we ask that you err on your identity as a person. Thank you so much for your cooperation. On this worksheet, we will practice evaluating logarithms of different bases using logarithm laws. R20: What is the journal entry? 14/2? R22: What is the value of the $\log 32256$? R23: Find the journal entry 22.08 as of 4 decimal places. Q24: What is the value of $\log 0.1$? Q25: Use calculator to find the number of digits of the number 3. Logarithmic Expressions Worksheet Evaluation: A worksheet provided in this section will be very useful for students who want to practice problems evaluating logarithmic expressions. Before look at the worksheet, if you would like to learn the basic stuff about logarithms, Please click here Evaluating Logarithmic Expressions Worksheet - Problems Problem 1 :Evaluate :log327 + log3729Problem 2 :Simplify :log108 + log105 - log104Problem 3 :Evaluate :log798 - log714 + log7343Problem 4 :Evaluate : (1/2)log936 + 2log94 - 3log94Problem 5 :Simplify :log32 · log43 · log54 · log65 · log76 · log87Problem 6 :Simplify :log721 + log777 + log788 - log7121 - log724Problem 7 :Simplify :log816 + log852 - 1/log138Problem 8 :Simplify : 5log102 + 2log103 - 6log644 Evaluating Logarithmic Expressions Worksheet - Solutions Problem 1 :Evaluate : log327 + log3729Solution := log327 + log3729= log333 + log336= 3log33 + 6log33= 3(1) + 6(1)= 3 + 6= 9Problem 2 :Simplify :log108 + log105 - log104Solution := log108 + log105 - log104= log10 (8 · 5/4)= log1010= 1Problem 3 :Evaluate :log798 - log714 + log7343Solution := log798 - log714 + log7343= log7(98/14) + log7343= log77 + log773= 1 + 3log77= 1 + 3(1)= 1 + 3= 4Problem 4 :Estimate : (1/2)log936 + 2log94 - 3log94Solution := (1/2)log936 + 2log94 - 3log94Solution := (1/2)log936 + 2log94 - 3log94= log99 (36)1/2 + log942 - log943= log9√36 + log916 - log964= log96 - log964= log 9(6 · 16) - log964 = log996 - log964 = log9(96/64)= log9(3/2)Problem 5 :Simplify :simplify :log32 · 43 · Log 54 · log76 · log87Solution :In the given phrase, logs have bases First group the logarithms with the same base and simplify. = (log32 · log43) · (log54 · log65) · (log76 · log87)= log42 · log64 · log86= log66 · log86= log82= 1/log28= 1/log223= 1/log223= 1 1/3 (log22) = 1/3(1)= 1/3Problem 6:Raied :log721 + log777 + log788 - log7121 - log724Solution := log721 + log777 + log788 - log7121 - log724 = Diary (21 · 77 · 88) - (log7121 + log724)= log7(21 · 77 · 88) - (log7(121 · 24)= log7 142296 - log72904= log7(14) 2296 / 2904)= log748= log772= 2log77= 2(1)= 2Problem 7:Raied :log816 + log852 - 1/log138Solution := log816 + log852 - 1/log138= log816 · log813= log8[(16 · 52)/13]= log8(16 · 4)= log864= log882= 2log88= 2(1)= 2Problem 8:Simplify 5log102 + 2log103 - 6log644Solution := 5log102 + 2log103 - (2·3) log644= log1025 + log1032 - 2log6443= log1032 + log109 - 2(1)= log1032 + log109 - 2log1010= log10(32 · 9) - log10 1 02= log10288 - log10100= log10(288/100)= log10(72/25) After going through the above, we hope that students would understand how to evaluate logarithmic expressions. Besides the things given in this section, if you need any other math stuff, please use our custom Google search here. If you have sea feedback on our math content, please send us : v4formath@gmail.com We always appreciate your feedback. You can also visit the following Web pages for different things in math. word problemsHCF and LCM word problems on simple equations Word problems linear equations Word problems on algebra equations Word problems on trains Word problems in the region and peripheral word issues Comparison on direct variation Reverse variation Word issues on unit price issuesSelack Problems on unit rate Word issues on comparing rates Conversion custom units Word problems Convert metric units Word problems Word problems on simple interest issues on compound interest issuesHam on types angles Complementary angles and complements word problems Duplicate facts Word trigonometry problems Word problems incentives word problems word problems gain and loss of word problems marking and marking word problems decimals word problems on fractions The word problems on word practices Phase one word problems linear inequality word problems wordratio problems and word problems proportional time and word problems at work Troubleshooting word problems on sets and diagrams vennDeveloping agesSpeak words Coordination issues Percentage of word problems Number of persistent speed problems Average speed problems Word on the sum of angles of a triangle is 180 degreesAfter issues space and shortcuts for loss Shortcuts to a guide Shortcuts to a table Time , speed and shortcuts to proportionsDome and a variety of rational functionsContaking and a variety of rational functions with holes Photograph rational functions Photograph rational functions with holesConvert decimal digits Returns to fractions Rational representation of rational numbersConturing a square root using a long divisionL.C.M a method for solving time and problems working word problems in algebraic expressionsHide when 2 Power 2 56 is divided into 17Remainder when 17 Power 23 is divided into 16Sum of all three-digit numbers divided by 6Sum of all three-digit numbers divided by 7Sum of all three-digit numbers divided by 8Sum of all three-digit numbers generated by 1, 3, 4Sum of all Four-digit numbers created with zero-no-digitsSum of all three four-digit numbers created using 0, 1, 2, 3Sum of all three four-digit numbers created using 1, 2, 5, 6 copyright onlinemath4all.com SBI! To continue to enjoy our site, we ask that you err on your identity as a person. Thank you so much for your cooperation. On this worksheet, we will practice evaluating logarithms of different bases using logarithm laws. R20: What is the journal entry? 14/2? R22: What is the value of the $\log 32256$? R23: Find the journal entry 22.08 as of 4 decimal places. Q24: What is the value of $\log 0.1$? Q25: Use calculator to find the number of digits of the number 3. Logarithmic Expressions Worksheet Evaluation: A worksheet provided in this section will be very useful for students who want to practice problems evaluating logarithmic expressions. 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