

Name _____

Date _____

Calculate the Value of Log Operations Problems - Matching Worksheet

Write the letter of the answer that matches the problem.

- _____ 1. Calculate the value of: $\log_2 128 + \log_2 32$ a. 10
- _____ 2. Calculate the value of: $\log_2 2^{14} + \log_2 16$ b. 85
- _____ 3. Calculate the value of: $\log_2 16 - \log_2 8$ c. 12
- _____ 4. Calculate the value of: $\log_2 2^{70} + \log_2 256$ d. 36
- _____ 5. Calculate the value of: $\log_{10} 10^{12} - \log_{10} 100$ e. 2
- _____ 6. Calculate the value of: $\log_2 \sqrt[2]{2^{160}} + \log_2 32$ f. 18
- _____ 7. Calculate the value of: $\log_3 3^{40} - \log_3 81$ g. 34
- _____ 8. Calculate the value of: $\log_5 125 + \log_5 5^{31}$ h. 45
- _____ 9. Calculate the value of: $\log_4 256 - \log_4 16$ i. 1
- _____ 10. Calculate the value of: $\log_2 2^{39} + \log_2 64$ j. 78

