

Name _____

Date _____

Logarithmic Equations - Matching Worksheet

Match the following and write the answer in the given space:

_____ 1. $6 + 2\ln(x) = 20$

a. 14

_____ 2. $7 \log(3x) = 15$

b. 1

_____ 3. $4 + \log_3(7x) = 10$

c. $x=e^7$

_____ 4. $\log_2(x) = \log_2(14)$

d. 16

_____ 5. $\log_3(x+24) - \log_3(x+2) = 2$

e. 6

_____ 6. $\log_2(x) = 4$

f. 104.14

_____ 7. $\log(x+21) + \log x = 2$

g. 4

_____ 8. $\log_b(x^2) = \log_b(2x - 1)$

h. 0.75

_____ 9. $\log_b(x^2 - 30) = \log_b(x)$

i. 4

_____ 10. $\log_2(x) + \log_2(x - 2) = 3$

j. 46.32

