

Introduction to Logarithms WS

Date _____ Period _____

Rewrite each equation in exponential form.

1) $\log_v 121 = u$

2) $\log_v 103 = u$

3) $\log_{\frac{11}{9}} x = y$

4) $\log_m 128 = n$

5) $\log_{11} 121 = 2$

6) $\log_7 343 = 3$

7) $\log_{121} 11 = \frac{1}{2}$

8) $\log_8 8 = 1$

Rewrite each equation in logarithmic form.

9) $12^u = v$

10) $x^{-\frac{5}{4}} = y$

11) $10^n = m$

12) $20^v = u$

13) $\left(\frac{1}{5}\right)^0 = 1$

14) $7^2 = 49$

15) $16^2 = 256$

16) $9^2 = 81$