

Name: _____

Date: _____

Rewriting Logarithms**Rewrite each equation in exponential form.**

1) $\log_{320} 35 = 0.61$

2) $\log_7 49 = 2$

3) $\log_6 36 = 2$

4) $\log_{24} 15 = 0.85$

5) $\log_a b = 22$

6) $\log_y x = -8$

7) $\log_a \frac{5}{8} = b$

8) $\log_x y = 6$

9) $\log_{12} n = m$

10) $\log_{\frac{1}{5}} v = u$



1) $\log_{320} 35 = 0.61$

$$320^{0.61} = 35$$

2) $\log_7 49 = 2$

$$7^2 = 49$$

3) $\log_6 36 = 2$

$$6^2 = 36$$

4) $\log_{24} 15 = 0.85$

$$24^{0.85} = 15$$

5) $\log_a b = 22$

$$a^{22} = b$$

6) $\log_y x = -8$

$$y^{-8} = x$$

7) $\log_a \frac{5}{8} = b$

$$a^b = \frac{5}{8}$$

8) $\log_x y = 6$

$$x^6 = y$$

9) $\log_{12} n = m$

$$12^m = n$$

10) $\log_{\frac{1}{5}} v = u$

$$\left(\frac{1}{5}\right)^u = v$$