Precalculus: Logaritmic and Exponential Functions

Name _____ **Date** _____

Rewrite each equation in logarithmic form

(1) $9^x = v$

(2) $8^n = x$

(3) $2^t = n$

(4) $4^n = y$

(5) $9^n = u$

(6) $e^z = x$

Rewrite the following equations in exponential form

(7) $log_4(w) = y$

(8) $ln(t) = q$

(9) $log_4(u) = n$

(10) $log_6(p) = n$

(11) $log_4(q) = y$

(12) $log_6(n) = t$

Answers

Rewrite each equation in logarithmic form

(1) $9^x = v$

$log_9(v) = x$

(2) $8^n = x$

$log_8(x) = n$

(3) $2^t = n$

$log_2(n) = t$

(4) $4^n = y$

$log_4(y) = n$

(5) $9^n = u$

$log_9(u) = n$

(6) $e^z = x$

$ln(x) = z$

Rewrite the following equations in exponential form

(7) $log_4(w) = y$

$4^y = w$

(8) $ln(t) = q$

$e^q = t$

(9) $log_4(u) = n$

$4^n = u$

(10) $log_6(p) = n$

$6^n = p$

(11) $log_4(q) = y$

$4^y = q$

(12) $log_6(n) = t$

$6^t = n$