Precalculus: Logaritmic and Exponential Functions

Name _____ **Date** _____

Rewrite each equation in logarithmic form

(1) $3^t = n$

(2) $2^p = x$

(3) $4^q = z$

(4) $6^v = n$

(5) $9^v = w$

(6) $e^w = t$

Rewrite the following equations in exponential form

(7) $log_8(w) = v$

(8) $log_7(q) = t$

(9) $ln(n) = z$

(10) $log_7(v) = u$

(11) $log_3(t) = z$

(12) $log_9(u) = v$

Answers

Rewrite each equation in logarithmic form

(1) $3^t = n$

$log_3(n) = t$

(2) $2^p = x$

$log_2(x) = p$

(3) $4^q = z$

$log_4(z) = q$

(4) $6^v = n$

$log_6(n) = v$

(5) $9^v = w$

$log_9(w) = v$

(6) $e^w = t$

$ln(t) = w$

Rewrite the following equations in exponential form

(7) $log_8(w) = v$

$8^v = w$

(8) $log_7(q) = t$

$7^t = q$

(9) $ln(n) = z$

$e^z = n$

(10) $log_7(v) = u$

$7^u = v$

(11) $log_3(t) = z$

$3^z = t$

(12) $log_9(u) = v$

$9^v = u$