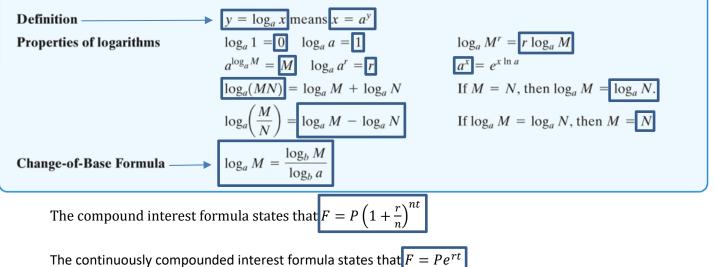
College Algebra Formulas Quiz 2 – Use This to Study

The Law of Exponents:

Given a > 0 with $a \neq 1$: If $a^u = a^v$ then u = v

SUMMARY Properties of Logarithms

In the list that follows, a, b, M, N, and r are real numbers. Also, a > 0, $a \neq 1$, b > 0, $b \neq 1$, M > 0, and N > 0.



The exponential law states that an amount A varies with time t according to the function $A(t) = A_0 e^{kt}$ As long as the start time is 0, the value of k can be determined using the adder a and either the

multiplier *m* or the divider *d*:

