Growth Rate and Growth Factor
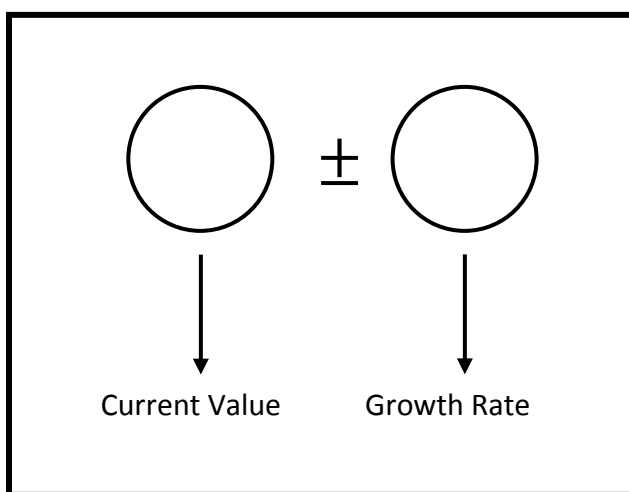### Note-Taking Guide

TEKS

A(9)(B) The student is expected to interpret the meaning of the values of *a* and *b* in exponential functions of the form $f(x) = ab^x$ in real-world problems.

A(9)(C) The student is expected to write exponential functions in the form $f(x) = ab^x$ (where *b* is a rational number) to describe problems arising from mathematical and real-world situations, including growth and decay.

Population Growth and Doubling

x	process	$f(x)=100(2)^x$	$f(x)=100(2)^x$

Growth Factor and Growth Rate

Current Value ± Growth Rate

Growth Factor