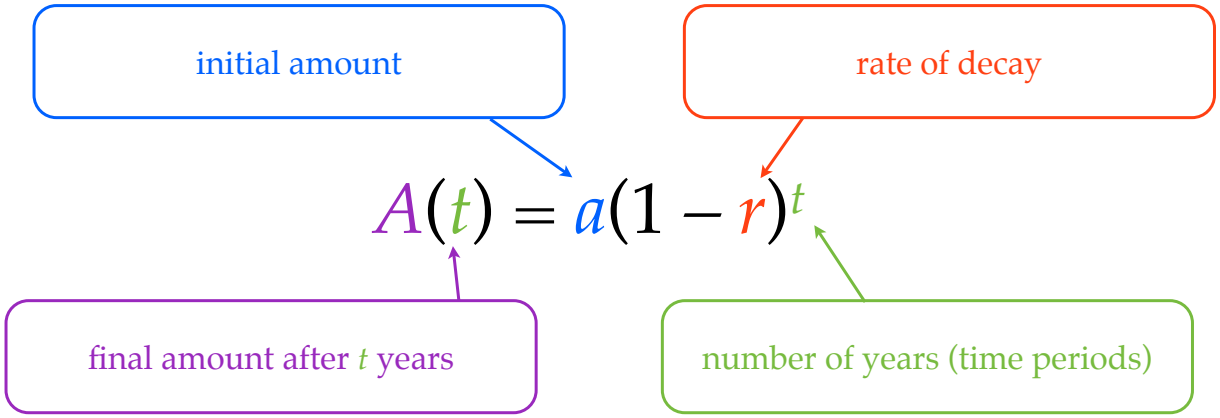
Exponential Decay Equations

Name _____

Date _____ Period _____

Basic Exponential Decay



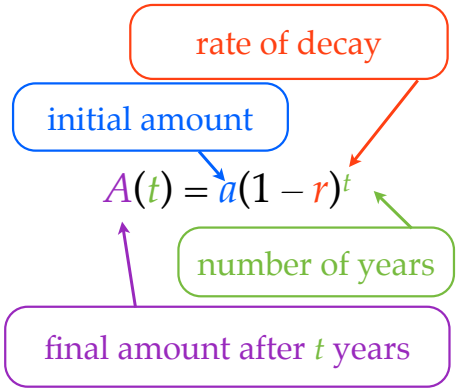
Dan purchased a new car for $12,000. Each year the value of the car decreases by 12%. What is the value of Dan's car after 2 years? 5 years?

$A(t) =$

$a =$

$r =$

$t =$



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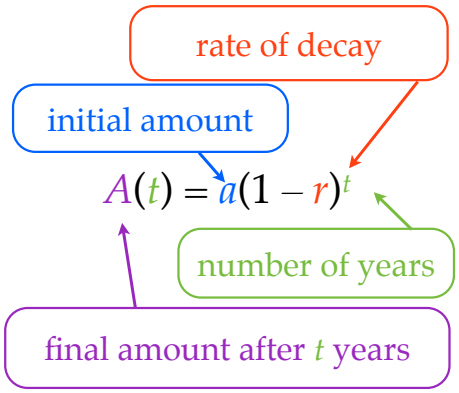

You buy a flat-screen LCD high-definition TV for $4,500. Each year the value of your TV decreases by 8%. What is the value of your TV in 3 years? 7 years?

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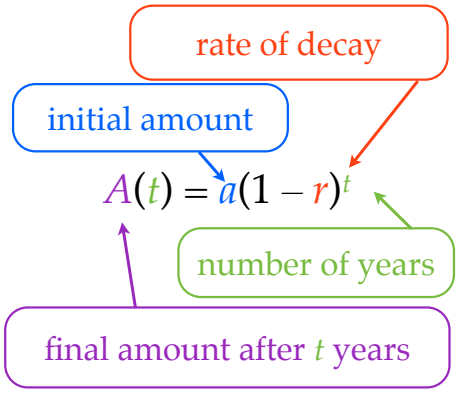

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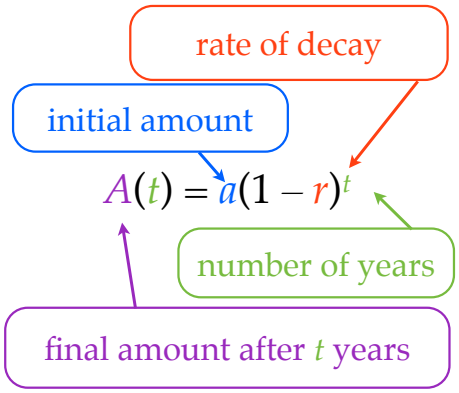

Basic Exponential Decay