

# Formulas/Definitions

## Exponential Functions

For exponential growth, you \_\_\_\_\_, instead of \_\_\_\_\_ like in a linear function.

What is the growth/decay function? What does each letter represent?

How do we determine if a function is a growth or a decay without graphing it?

What is common ratio?

What is the initial/starting value?

What is the formula for changing exponential functions to logarithm?

What is the formula for changing from exponential to natural log?

## **Interest**

### Simple interest

Interest -

Future Value -

Present Value -

### Compound Interest

m -

n -

i -

Future Value -

Future Value (continuous) -

Present Value -

Annual Percentage Yield (APY) -

### Annuities and Amortizations

What to fill in for Excel for each of the following?

Future Value of Ordinary Annuity -

Present Value of Ordinary Annuity -

Future Value of Annuity Due -

Payment with FV/PV -

### Definitions of the following:

Simple Interest -

Compound Interest -

Ordinary Annuity -

Annuity Due -

Compounding Continuously -