<p style="text-align:center">**Summary Chapter 6: Exponential and Logarithmic Functions**
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Section 1:

Terminology	**Be Able To**
• Exponential function	• Evaluate exponential functions
	• Find the equation of an exponential function
	• Evaluate exponential functions with base *e*
	• Use compound interest formulas
	• **Apply the concepts**: Reference page 478 problems 56 - 60

Section 2:

Terminology	**Be Able To**
No additional definitions	• Graph exponential functions
	• Find the domain of an exponential function

Section 3:

Terminology	**Be Able To**
• Logarithmic function	• Convert from logarithmic to exponential form
• Natural logarithms	• Convert from exponential to logarithmic form
	• Evaluate logarithms
	• Use the common logarithms
	• Use natural logarithms
	• **Apply the concepts**: Reference page 498 problems 64 - 66

Section 4:

Terminology	**Be Able To**
No additional definitions	• Graph logarithmic function
	• Find the domain of a logarithmic function

Section 5:

Terminology	**Be Able To**
No additional definitions	• Use the product rule for logarithms
	• Use the quotient rule for logarithms
	• Use the power rule for logarithms
	• Expand logarithmic expressions
	• Condense logarithmic expressions
	• Use the change-of-base property for logarithms

Section 6:

Terminology	**Be Able To**
• Exponential equation	• Use like bases to solve exponential equations
• Logarithmic equation	• Use logarithms to solve exponential equations
	• Use the definition of a logarithm to solve logarithmic equations
	• Use the one-to-one property of logarithms to solve logarithmic equations
	• **Apply the concepts**: Reference page 536 problems 65 - 67

Section 7:

Terminology	**Be Able To**
• Exponential growth	• Model exponential growth and decay
• Exponential decay	• **Apply the concepts**: Reference page 550 problems 1 - 40

Section 8:   **Omitted**