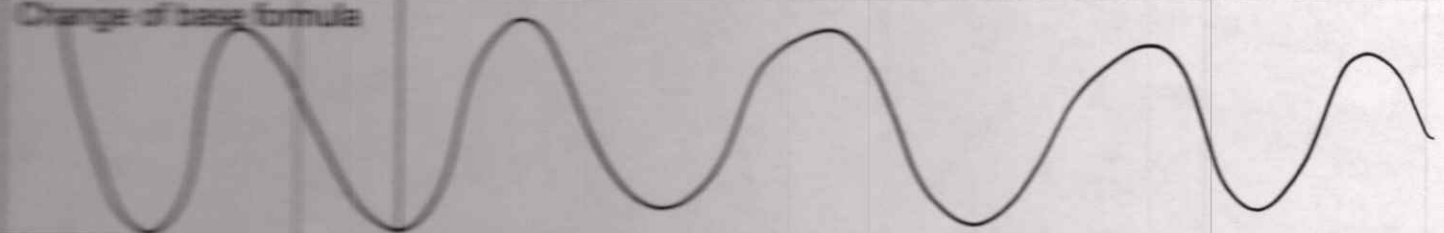


	Condensed	Expanded
Properties of Logarithms IF $m > 0, n > 0,$ $b > 0,$ and $b \neq 1,$ and $a$ is any real number	<ul style="list-style-type: none"> <li>• Product Property</li> <li>• Quotient Property</li> <li>• Power Property</li> </ul>	$\log_b m \cdot n = \log_b m + \log_b n$ $\log_b m \div n = \log_b m - \log_b n$ $\log_b m^a = a \log_b m$
Properties of Natural logarithms IF $m > 0, n > 0,$ $b > 0$ and $b \neq 1,$ and $a$ is any real number	<ul style="list-style-type: none"> <li>• Product Property</li> <li>• Quotient Property</li> <li>• Power Property</li> </ul>	$\ln m \cdot n = \ln m + \ln n$ $\ln \frac{m}{n} = \ln m - \ln n$ $\ln m^a = a \ln m$
Exponential Equation	$y = b^x$ or $y = e^x$	
Change of base formula		
Logarithmic equation	an equation in the form $y = \log_b x$ <u>OR</u> $y = \ln x$	
Principal		
Simple interest		
Interest		
Simple Interest Formula		
Compound Interest Formula		
Continuous Compound Interest		