

	<u>Lesson 5.1 – Big Ideas</u>	Your Notes		
•	Simple interest function			
•	Rate of change & graph of a simple interest function			
•	Compound interest function			
•	Rate of change & graph of a compound interest function			
	<u>Lesson 5.2 – Big Ideas</u>	Your Notes		
•	Equations for population problems			
•	Increasing vs. decreasing exponential functions			
•	Graphs of exponential functions			
•	Horizontal asymptote			
•	x-intercept & y-intercept			
•	Domain & range			
	Lessons 5.3 & 5.4 – Graphing Transformations			

FUNCTION NOTATION	coordinate notation		
$f(x) = b^x + k$	$(x, y) \rightarrow (x, y + k)$		
$f(x) = b^x - k$	$(x,y) \rightarrow (x,y-k)$		
$f(x) = b^{x-h}$	$(x, y) \rightarrow (x + h, k)$		
$f(x) = b^{x+h}$	$(x,y) \rightarrow (x-h,k)$		
$f(x) = -b^x$	$(x,y) \to (x,-1 \cdot y)$		
$f(x) = b^{-x}$	$(x,y) \to (-1 \cdot x, y)$		
	FUNCHION NO+GHION $f(x) = b^x + k$ $f(x) = b^x - k$ $f(x) = b^{x-h}$ $f(x) = b^{x+h}$ $f(x) = -b^x$		

Your Notes