

Name: _____

Date: _____

Section 1.4 Investigate

BLM 1-12

Part A**Step 2**

Value of c in $y = a[k(x - d)]^n + c$	Effect on the Graph of $y = x^n$
$c > 0$	
$c < 0$	

Value of d in $y = a[k(x - d)]^n + c$	Effect on the Graph of $y = x^n$
$d > 0$	
$d < 0$	

Part B**Step 3**

Value of a in $y = a[k(x - d)]^n + c$	Effect on the Graph of $y = x^n$
$a > 1$	
$0 < a < 1$	
$-1 < a < 0$	
$a < -1$	

Value of k in $y = a[k(x - d)]^n + c$	Effect on the Graph of $y = x^n$
$k > 1$	
$0 < k < 1$	
$-1 < k < 0$	
$k < -1$	