Transformations	Effect On Graph
f(x) + a	Graph shifts a' boxes up (No effect on spread)
f (n) – a	Graph shifts 'a' boxes down. (No effect on spread)
f (n + a)	Graph shifts 'a' boxes to the left
f (n-a)	Graph shifts (a) boxes to the right
- f (n)	Reflection in n-axis
f (-n)	Reflection in y-axis

af(n)	Stretch parallel to y-axis with factor 'a' a > 1, stretch vertically a < 1, squeeze vertically
f (an)	Stretch parallel to n-axis with factor [1]
	· a>1 , squeeze Horizontally · a<1 , stretch horizontally