

You may use any of the arts to create a “function” that you then transform. You must include at least 5 transformations:

- 1) A horizontal shift 2) A vertical shift 3 and 4) A reflection (over y and/or x axis)
5 and 6) A stretch (horizontal and/or vertical)

You must have a written section that describes your function and the transformations in English and mathematical language.

For example: $f(x)$ = my head

$f(x + 4)$ = my head moved 4 inches to the _____

OR

$f(x)$ = the four note motif

$f(x + 4)$ = the motif moved 4 bars to the _____ (it would be the same)

You may earn up to 7 points on this 5-point mandatory assignment by using a function that is interesting and/or beautiful and transformations that are accurate within your context.