

Transformations of Functions (does not include trigonometric functions)

General Equation in function notation:

Transformations for each letter

If a is negative: $a =$

If b is negative: $b =$

$h =$ $k =$

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Vertical transformations are letters _____, _____

Horizontal transformations are letters _____, _____

Vertical reflections and dilations _____ to y -values.

Horizontal reflections and dilations _____ to x -values, but using the _____.

Vertical translations _____ or _____ to the y -values.

Horizontal translations _____ or _____ to the x -values, but using the _____.

Transformations must be done in this order.

Parent		Reflections		Stretches/ Compressions		Translations (Shifts)	
x	$f(x)$	x	$f(x)$	x	$f(x)$	x	$f(x)$

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