

October 23, 2017

Transformations

$$y = f(x)$$
$$y = a f(x-h) + k$$

"a"

- if $a < 1$ (negative) \rightarrow reflected over the x-axis
- if $a > 1$ (positive) Vertical Stretch
- if $0 < a < 1$ - Vertical Shrink

"h"

- if $h > 0 \rightarrow$ shifts to right
- if $h < 0 \rightarrow$ " " left

"k"

- if $k > 0$ up
- if $k < 0$ down

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