In general, if the function y = f(x)is transformed the following way: y = a f(x - h) + k

The parent function has been:

- Streched/Shrunk vertically by a factor of a
- Reflected over x-axis if a<0
- Translated horizontally h units.
- Translated vertically k units.

Below is the graph of y = f(x). Original function is in Red



