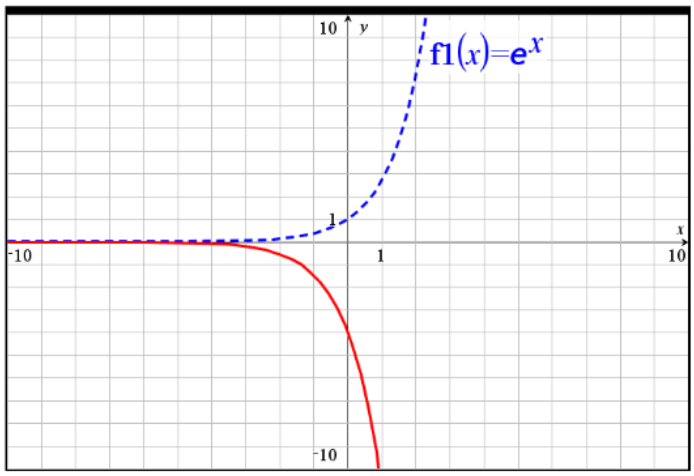
HPC/RPC
Transformations of Exponential
& Logarithmic Functions

Name:_____

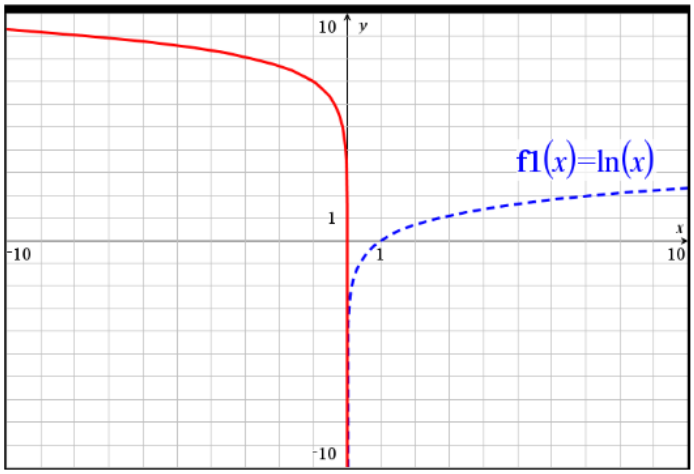
Date: _____Period:_____

Using the graph given (dashed curve), identify the transformed function (solid curve).

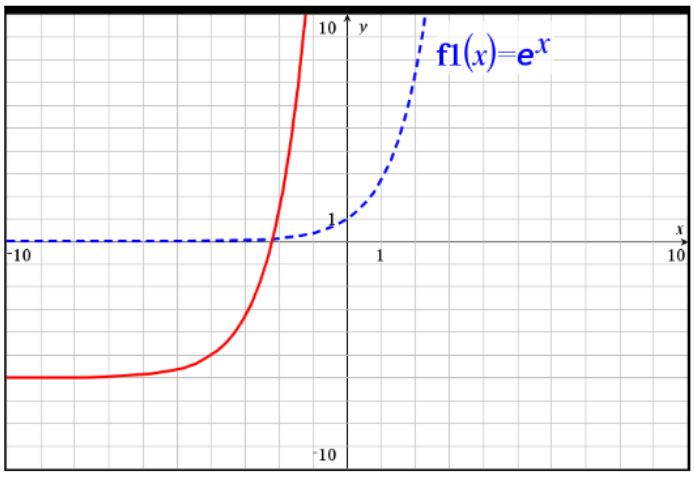
1. $f(x) = e^x$, $g(x) =$ ___-4e^x___



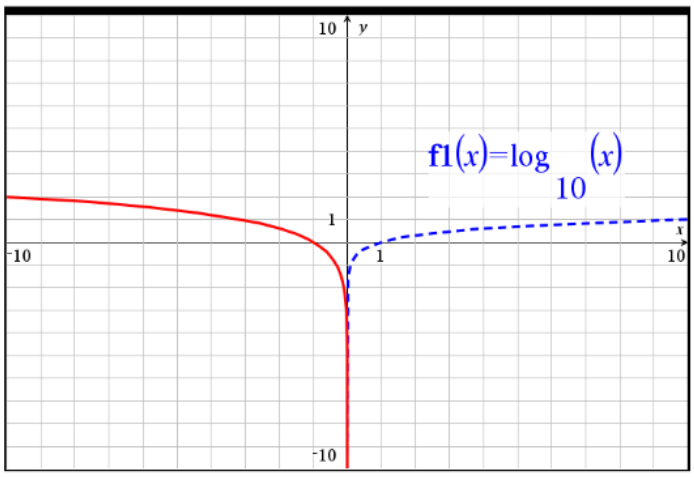
2. $f(x) = \ln(x)$, $g(x) =$ ___ln(-x) + 7___



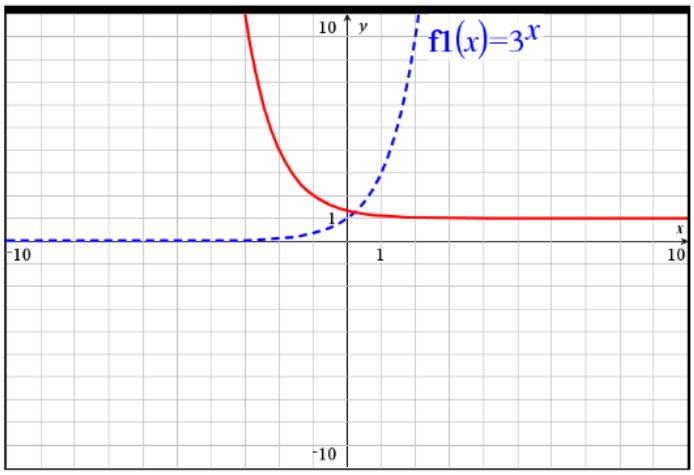
3. $f(x) = e^x$, $g(x) =$ $e^{x+4} - 6$



4. $f(x) = \log x$, $g(x) =$ $2\log_{10}(-x)$



5. $f(x) = 3^x$, $g(x) =$ $3^{(-x-1)} + 1$



6. $f(x) = \log_2 x$, $g(x) =$ $2\log_2(x + 8)$