Math-19 Section 1

Homework #6

Due: 7/17/2019 9:00am

Reading

Sections 4.1–4.7

Problems

Consider the transformed function:

$$y = 2f\left(-\frac{1}{3}(x-1)\right) + 1$$

For each of the following choices of $f(x)$, determine the final coordinates of the key point, position of all asymptotes, and any x and y intercepts and then sketch the final graph.

1. $f(x) = e^x$
2. $f(x) = \ln(x)$