Exercise 26

Sketch the graph of f by hand and use your sketch to find the absolute and local maximum and minimum values of f. (Use the graphs and transformations of Sections 1.2 and 1.3.)

$$f(x) = e^x$$

Solution

A domain isn't specified, so the function's entire domain is used.

$$-\infty < x < \infty$$

The function has no minimum and no maximum on this interval as the graph below indicates.