

Problem1: Make a rough sketch of the function $y = P - e^x$, where P is a constant greater than 1. *Mark the intersections with the x and y axes*

Problem2: For the function f whose graph is given, state the value of the given quantity, if it exists. If it does not exist, explain why.

insert graph here

a) $\lim_{x \rightarrow 1} f(x)$
d) $\lim_{x \rightarrow 2} f(x)$

b) $f(1)$
e) $f(2)$

c) $\lim_{x \rightarrow 1^+} f(x)$
f) $\lim_{x \rightarrow 2^-} f(x)$