

Rhino Participation Bonus (+2) due at the start of class Thursday, April 18.

Recall the graph of $f(x) = x^{x \ln(x)}$ from Quiz 6.

a. Determine the following limit. Insert a number, $-\infty$, or ∞ in the box. Show work.

$$\lim_{x \rightarrow 0^+} f(x) = \boxed{}$$

b. Based on your answer to part a, does the graph have a hole or a vertical asymptote at $x = 0$? At $x = 0$, there is a _____

{ hole or a vertical asymptote }

If you selected hole, report the coordinates of the hole. (_____, _____)

