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Give your best attempt at the following question for credit.

1. What is the statement of the Extreme Value Theorem (EVT)? A continuous f(x) on a closed and bounded interval is guaranteed to have a global maximum and minimum.

2. Does the EVT apply to the function $\frac{1}{x}$ on the interval $0 < x \leq 1?$ Why or why not?

No, the EVT does not apply because the interval is not closed; it does not contain one of the endpoints, namely 0.