Exponential and Logarithmic Functions

Problem

Let $f(x) = 2^x$.
Which of the following describes the behavior of f as $x \to +\infty$?

(a) $f(x)$ approaches $-\infty$.

(b) $f(x)$ approaches $+\infty$.

(c) $f(x)$ approaches 0.

(d) $f(x)$ approaches 1.

Answer: (b) Refer to graph, focus on notation.