Consider the functions $f(x) = e^x$ and $g(x) = x^{1,000,000}$. As $x \to \infty$, which of the following is true?

- (a) f grows faster than g
- (b) g grows faster than f
- (c) We cannot determine which grows faster
- (d) They grow at the same rate like all exponentials

$$|x| = |x| \times 2$$

$$|x| = |x| \times 4 = \Delta$$

$$|x| = |x$$