Let $f(x) = x - [x]$, where $[x]$ denotes the greatest integer that is less or equal to x. If m is an integer, find each of the following limits. If the limit does not exist, enter "DNE" below.

(a) $\lim_{x \to m^-} f(x) =$ ☐

(b) $\lim_{x \to m^+} f(x) =$ ☐

(c) $\lim_{x \to m} f(x) =$ ☐

Let $f(x) = x - [x]$, where $[x]$ denotes the greatest integer that is less or equal to x. If m is an integer, find each of the following limits. If the limit does not exist, enter "DNE" below.

(a) $\lim_{x \to m^-} f(x) =$ 1

(b) $\lim_{x \to m^+} f(x) =$ 0

(c) $\lim_{x \to m} f(x) =$ DNE