Exercise 1 *Is the function*

$$f(x) = \begin{cases} \dfrac{x^2 + 5x + 4}{x^2 + 3x + 2}, & x \neq -1 \\ 3, & x = -1 \end{cases}$$

continuous at $x = -1$ or $x = 10$?

Multiple Choice:

(a) f *is continuous at both* $x = -1$ *and* $x = 10$. ✓

(b) f *is continuous at* $x = -1$ *but not at* $x = 10$.

(c) f *is continuous at at* $x = 10$ *but not at* $x = -1$.

(d) f *is not continuous at* $x = -1$ *and* $x = 10$.