Exercise 1 *A student's attempt to evaluate the limit* $\lim\limits_{x\to 0} \dfrac{x^3 + x}{x}$ *using limit laws is recorded below. From one line to the next, only one limit law should be utilized. Which of the following options best describes the student's work?*

$$\lim_{x\to 0} \frac{x^3 + x}{x} = \lim_{x\to 0} \frac{x(x^2 + 1)}{x}$$
$$= x^2 + 1$$

Multiple Choice:

(a) *The work is perfect*

(b) *The answer is correct, but the student skipped some steps, or made a mistake along the way*

(c) *The answer is incorrect* ✓

Feedback(attempt): *It never makes sense for the limiting variable to appear in the answer to a limit.*