

Fake Quiz 1 Calc 1 9/7/2021

This is a fake quiz, this is *only* a fake quiz. In the event of an actual quiz, you'd have been given fair warning. Repeat: This is *only* a fake quiz.

1. Evaluate $\lim_{x \rightarrow \infty} \frac{1}{x}$. 0

2. Evaluate $\lim_{x \rightarrow \infty} \frac{6}{x+1}$. 0

3. Evaluate $\lim_{x \rightarrow \infty} \frac{x+5}{x+2}$. 1

4. Evaluate $\lim_{x \rightarrow \infty} \frac{x^2+5}{5x}$. DNE or $+\infty$

5. Evaluate $\lim_{x \rightarrow \infty} \frac{x^2+5}{2x^3+1}$. 0

6. Evaluate $\lim_{x \rightarrow \infty} \sin x$. DNE

7. Evaluate $\lim_{x \rightarrow \infty} \sin(2\pi x)$. DNE

8. Evaluate $\lim_{x \rightarrow \infty} \frac{\sin x}{x}$. 0

