

0927 HW-B

Find each limit

1. $f(x) = \begin{cases} x^2+3, & x \neq 1 \\ 2, & x = 1 \end{cases}, \lim_{x \rightarrow 1} f(x) = ?$

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

3. $\lim_{x \rightarrow 0} \frac{\sin x}{5x}$