1. Compute \( \lim_{x \to 0} \frac{\cos^4 x}{5 + x^3} \)

2. Compute \( \lim_{x \to 5} \frac{x^2 - 6x + 5}{x - 5} \)

3. Compute \( \lim_{x \to 3} \frac{2x - 6}{x - 3} \)

4. Compute \( \lim_{x \to 0} \frac{\cos x - 1}{\sin x} \)

5. Compute \( \lim_{x \to 0} x^5 \cos \frac{3}{x} \)

6. If \( f(x) = \begin{cases} 
   x^3 + 1, & x \geq 2 \\
   x - 1, & x < 2
\end{cases} \), compute \( \lim_{x \to 2} f(x) \)

7. If \( f(x) = \begin{cases} 
   \sin x, & x \geq 0 \\
   \sin \frac{x}{x} - 1, & x < 0
\end{cases} \), compute \( \lim_{x \to 0} f(x) \)

8. If \( f(x) = \begin{cases} 
   x^2, & x \neq 0 \\
   1, & x = 0
\end{cases} \), compute \( \lim_{x \to 0} f(x) \)