

Retake 3

MAT 265, SPRING 2017

NAME:

Evaluate each limit. For full credit, please show your work and explain the reasons that lead to your answer.

1. (5 points) $\lim_{x \rightarrow 0} \frac{x^4 - 16}{x^2 - 4}$

2. (5 points) $\lim_{x \rightarrow \infty} \frac{x^4 - x + 1}{3x^5 + 4}$

3. (5 points) $\lim_{x \rightarrow -2} (x^3 + 1)$

4. (5 points) $\lim_{x \rightarrow 5} \frac{\sqrt{x} - 5}{x - 25}$