

# Math 101 Quiz 2

Sr. Num.:      ID. Num.:

Name:

Q: Find the limit, if it exists:

$$\lim_{x \rightarrow -1^-} \frac{x + 1 + \sin(x^4 - 1)}{|x^2 - 1|}$$

Q: Use the  $\epsilon - \delta$  technique to show that

$$\lim_{x \rightarrow 1} (1 - 2x) = -1$$