

**Assignment 0: Due Thurs Aug 24th (Practice assignment, extra credit)**

$$f(x) = \frac{\sin(x)}{x} + \frac{1}{x^2 - 9}$$

-What is the implied domain of  $f(x)$ ? Express this domain in interval notation.

-Is this function odd, even, or neither? Prove your answer by using the definitions of even/odd.