

“QUIZ” for Sept. 18, 2008

NAME: (print!) _____ **Section:** _____

E-MAIL ADDRESS: (print!) _____

1. Explain why $x^4 + x - 3$ has a real root in the open interval $1 < x < 2$.

2. Prove rigorously that

$$\lim_{x \rightarrow 1} 2x + 1 = 3 \quad .$$