

QUIZ 11

Name _____

1. Find the local linearization of $\frac{1}{1+x^2}$ near $x = 1$.

2. Find the global maximum and global minimum for $x^3 + 1.5x^2 - 18x - 12.4$ on the interval $-1 \leq x \leq 4$.

3. Find the critical numbers (you don't need to classify them, just find them) of $\ln(x^4 + x^2 + 7)$.