

QUIZ 4

Time: 15min

1. Use the ϵ - δ definition of the limit to prove that $\lim_{x \rightarrow 2} x^2 + 2 = 6$.
2. Prove that $\lim_{x \rightarrow 0} x^4 \cos \frac{2}{x} = 0$.

Each problem is worth 5 points.