Group 7

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Introduction to Proof and Problem Solving

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Problem 1. Show that $\lim_{x \to 1} 8/(x^2 + 1) = 4$.

Proof. Let ϵ_0 be any real number greater than 0. Set $\delta_0 = \min\{1, b\}$. Let x_0 be any real number such that $0 < |x_0 - 1| < \delta$.

$\square$

While working on this proof, I received no external assistance aside from advice from Professor Mehmetaj.