

Quiz 4a Calculus 2 3/25/2005

Each problem is worth 5 points. Clear and complete justification is required for full credit.

1. Find the Taylor polynomial of degree 3 for the function $f(x) = \sqrt{1+x}$ near 0.

2. Find the first 4 terms of the Taylor series for $g(x) = \sin x$ about the point $x = -\pi/4$.