

QUIZ 9

Name _____

1. Find the Taylor polynomial expansion, about 0, for the following functions.

(a) $\ln(1 + x^2)$

(b) $\sin x^2$

2. For values of x near 0, which of the two functions $(1 + x)^{\frac{1}{4}}$ and $\sqrt{1 + \frac{x}{2}}$ is the largest?