## QUIZ 10 SPRING 2009 MAT 127 LECTURE 1

## Name:

SB ID:

Find the Taylor series for $f(x)$ centered at the given value of $a$, and find the corresponding radius of convergence. Answers without justification will get no partial credit.
1.

$$
f(x)=\ln x, \quad a=10
$$

2. 

$$
f(x)=\frac{1}{x}, \quad a=5
$$

3. Find Maclaurin series for $f(x)=x \cos 4 x$.
