

**Math 126: Calculus II**  
**Quiz 9** November 14, 2000

Name: \_\_\_\_\_  
Section: \_\_\_\_\_

1. Find the interval of convergence of the power series:

$$\sum_{n=1}^{\infty} \frac{(x-4)^n}{n3^n}$$

2. Find the Taylor polynomial of order 3 for  $f(x) = \sin(2x)$  at  $x = 0$ .