Math 222-06   QUIZ 13   2008/11/17   Name_____

- Total points: 20 quiz points: 5 each.
- Show *complete work*—that is, all the steps needed to completely justify your answer.
- If you need extra space, work on the back and make a note on the front.

The power series $\displaystyle\sum_{n=0}^{\infty} c_n(x-4)^n$ converges conditionally for $x = 0$. Does it converge for these values of x? Explain your answers.

(a) $x = 7$?   Yes   No   Can't tell

(b) $x = 8$?   Yes   No   Can't tell

(c) $x = 9$?   Yes   No   Can't tell

(d) $x = 10$?   Yes   No   Can't tell