QUIZ 9 FOR CALC4 ON APR. 30, 2014

Name:	RUID:
Email:	

(1) (10 pt) Fill in the blanks above and especially, give me a valid email address!

(2) (5 pt) Determine the region of x such that the following series is convergent:



(3) (5 pt) Write the following expression into a single power series:

$$\sum_{n=2}^{\infty} n(n-1)a_n x^{n-2} + x \sum_{n=1}^{\infty} na_n x^{n-1} - \sum_{n=0}^{\infty} a_n x^n$$