Math 132	
Quiz 4 – April 13,	2012

Name _____

1. (1 points) Give a power series representation for the function $\frac{1}{1-x}$.

2. (5 points) Find the radius and interval of convergence for the power series $\sum_{i=0}^{\infty} \frac{x^i}{2i^2+1}$.

3. (4 points) Find a power series representation for the function $\frac{2x}{x^2-4} = \frac{1}{x-2} + \frac{1}{x+2}$.