Math 132
Quiz 4 - April 13, 2012
Name $\qquad$

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 $\sum_{i=0}^{\infty} \frac{x^{i}}{2 i^{2}+1}$.
3. (4 points) Find a power series representation for the function $\frac{2 x}{x^{2}-4}=\frac{1}{x-2}+\frac{1}{x+2}$.
