QUIZ 4

1. (3 points) List the first 4 terms of the sequence given by $a_1 = 2$, $a_{n+1} = a_n^2 + 1$

2. (3 points) Calculate $\displaystyle\int_2^\infty \frac{1}{x^2 - 1}\, dx$.

3. (4 points) Evaluate $\displaystyle\sum_{n=2}^\infty \frac{1}{x^2 - 1}$.