INSTRUCTIONS: SHOW YOUR WORK. Grading is on the basis of 10 points per NET. You may use books, computers, calculators, etc., but you must show all steps. You may not use any outside human help. See me alone for hints. Neatness will be “added or subtracted!”.

You may write on this page and attach extra pages, as necessary. Do not ever write on the back of a page or in the top margin or left margin.

IC-NET #07: Write down the first five terms of each sequence:

(A) \( a_n = \left\{ (-1)^2 \frac{2n^2}{n+3} \right\} \)

(B) \( a_1 = 5, \quad a_n = 3(a_{n-1} + 2) \)