Spring-2011 CMSC 250: Homework 7 Due: Wed Mar 30, 2011

(THIS WAS ONLY ONE PROBLEM ON HW 7)
For each of the following sequences find a simple function a_n such that the sequence is $a_1, a_2, a_3, \ldots,$

1. 10, -17, 24, -31, 38, -45, 52,. . .,
   SOLUTION TO 3a
   $(-1)^{n+1}(7n + 3)$
2. -1, 1, 5, 13, 29, 61, 125,. . .,
   SOLUTION TO 3b
   $2^n - 3$
3. 6, 9, 14, 21, 30, 41, 54,. . .,
   SOLUTION TO 3c
   $n^2 + 5$