FOA / Algebra 1		Name:	
Un	it 11.1 Remediation	Date:	Block:
Solve the following problems. Show all work for full credit.			
1.	Given the arithmetic sequence 2,5,8,11, what is the explicit formula?		

- **2.** What is a a_{16} for the following sequence: $-2, 2, 6, 10, \dots$
- **3.** Which of the following is the recursive formula for the following sequence: 8, -4, -16, -28, ...
- **4.** What is the Explicit (closed) formula for a sequence that has $a_6 = 1$ and $a_7 = .25$
- 5. What is the fifth term of the sequence whose first term is $a_1 = 10$ and the recursive formula is $a_n = 2(a_{n-1})$?
- 6. What is the rate used to find the nth term of the sequence 8, 6, 4.5, 3.375...
- 7. The explicit (closed) formula for the sequence $2, -6, 18, -54, \ldots$ is described by the rule:
- 8. This is a two-part question. Use the following to answer each part.

"Given the first two terms in the sequence are 200 and 210. Determine the following:"

- **a**. If the above sequence were arithmetic what would the next number be? Place answer in box above.
- b. If the above sequence were geometric what would the next number be? Place answer in box above.