1) For the sequence $-7, 8, 5, -3, 12, 5, 27$

a) What is the initial term?

b) What is the final term?

2) For the sequence $\{b_i\}$ specified by an explicit
formula $b_i = (-1)^i \dfrac{2^i}{2i}$ for $i \geq 3$

List the first four terms

3) For the sequence $\{a_k\}$, beginning with $a_1 = 3$:

$3, 8, 13, 18, 23, 28, 33$

a) What is a_5?

b) What is the index of the term 13
in the sequence?

c) What is the final index of the sequence?

4) For the arithmetic sequence $2, 9, 16, 23, 30, \ldots$

a) What is the initial term?

b) What is the common difference?

c) Assume that the sequence starts with an initial

index 0, find S_{25}