## Math 210 - Dr. Miller - Activity #3: Special Types of Sequences

This Activity will be a "Gallery Walk." From the list below, I'll randomly assign your group TWO tasks. Complete those two tasks and then write your sequences in the designated place on the board. Don't identify them in any way - just write the sequences.

ust	write the sequences.
1.	Create the first five terms of an arithmetic sequence with $a_3=8$ and negative CD.
2.	Create the first five terms of a geometric sequence with $a_3=8$ and fractional CR.
3.	Create the first five terms of a Fibonacci-type sequence with $a_3=8$ and $a_4=6$ .
4.	Create the first five terms of a sequence with $a_3=8$ and whose difference sequence is $\times 1, -2, \times 3, -4, \ldots$
5.	Create the first five terms of a sequence that repeats a block of 3 numbers and would have $a_11 = 8$ . (Careful, group! You only get to show us FIVE terms, not 11.)
6.	Create the first five terms of an arithmetic sequence with where $a_3$ is twice as big as $a_2$ .
7.	Create the first five terms of a geometric sequence where $a_3 + a_4 = 12$ .
8.	Create the first five terms of a Fibonacci-type sequence where $a_3$ is twice as big as $a_2$ .

Now walk around the room to view each group's creations, and see if you can identify which of the 8 tasks they had. Write that group's name above, next to the instructions you think they used. We'll discuss together.