Name _____ DUE DATE: _____

SEQUENCES DUE ON: _____

FINAL GAME DUE ON: _____

SEQUENCE PROJECT

Accelerated

(50 points)

1. **You may work with a partner (from your class) or you may work alone.**

2. **In this packet is a list of sequences – choose 36 to solve. Complete the sequence and describe each pattern. You must hand in the answers (the next three terms in each sequence) on the chart provided.**

3. **Now develop 6 sequences of your own. You must provide at least the first 5 terms and the sequences must be more complex than just adding, subtracting, multiplying or dividing. Your sequences can use numbers, letters or shapes.**

4. **If you are working with a partner you must each complete 36 sequences individually and you must each develop 6 sequences of your own.**

5. **Use the 36 sequences you were given and the 6 you invented to develop a simple game. If you are working with a partner use 42 of the given sequences and 9 original ones.**

6. **Your game may be a board game, a dart game, Bingo, Jeopardy, a powerpoint game, etc. Start by deciding what type of game you want to create. Write down your ideas and then draw a rough draft of your design. Make changes to your drawing and then create your game!**

7. **Your game must be no bigger than a large sheet of poster board or can be on a CD if it is a computer game.**

8. **Your game must be:**

   - **Colorful**
   - **Creative**
   - **Educational**
   - **Neat**
   - **Well Organized**
   - **Accurate**

9. **Your game must use the 42 sequences some place while playing the game. If you are working with a partner your game must use the 51 sequences.**

10. **Your game must have clearly written directions/rules and must tell how someone can win.**

11. **Your game must have a snappy name.**

12. **We will be playing the games during class, so they need to be ready to go!!**

Name: _____ Partner: _____

SEQUENCE PROJECT

List the sequences which you solved below. Add your creative sequences to the end of the list Be sure to check your partner's sequences for accuracy!

Sequence #	Sequence Pattern (only write the next 3 terms)	Description
1		
2		
3		
4		
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42		
43		
44		
45		
46		
47		
48		

49		
50		
Original		
Original		
Original		
Original		
Original		
Original		