

Name \_\_\_\_\_

DUE DATE: \_\_\_\_\_



**SEQUENCES DUE ON:** \_\_\_\_\_

**FINAL GAME DUE ON:** \_\_\_\_\_

## **\*\*SEQUENCE PROJECT\*\*** **(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 16 to solve. Solve them and describe each pattern. You must hand in the answers (the next three terms in each sequence). You and your partner must work independently on this part.**
- 3. Now develop 2 sequences of your own. You must provide at least the first 5 terms and the sequence must be more complex than just adding, subtracting, multiplying or dividing. Your sequence can use numbers, letters or shapes. If you are working with a partner you must each hand in 2 original sequences.**
- 4. If you are working with a partner, you must each complete the 16 sequences individually and you must each develop 2 sequences of your own.**
- 5. Use the 16 sequences you were given and the 2 you invented to develop a simple game. If you are working with a partner use 20 sequences from the ones given and 3 original ones.**

- 6. Your game may be a board game, a dart game, Bingo, Jeopardy, a power point 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 18 sequences some place while playing the game. If you are working with a partner you must use the 23 sequences some place while playing the game.**
  
- 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
<b>1</b>		
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<b>48</b>		

<b>49</b>		
<b>50</b>		
<b>Original</b>		
<b>Original</b>		