## **Grade 11 Essential Unit F Graphing Lines Puzzle**

Name: \_\_\_\_\_ Date:

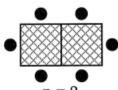
# How Doesa Backward Poet Write's

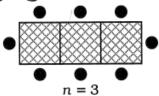
For each situation, complete the table and graph. For table cells with letters, write the letter in the corresponding box at right.

	23	18	15	170	31	12	7
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## Situation #1. Arranging values.







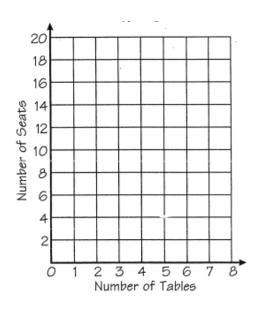
n = 4

A square table has one seat on each side. Square tables are pushed together to make banquet tables. Draw banquet table #4 in the pattern above. Then complete the table and graph to show how the number of seats varies with the number of tables that are pushed together.

Let n = Number of tablesS = Number of seats

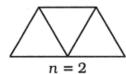
#### **Equation:**

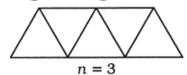
n	S
1	4
2	6 (E
3	
4	
5	s
6	
7	
8	N
Manager of the Park of the Par	



Situation #2. Building Bridges.







n = 4

These bridges are constructed using rods to make equilateral triangles. The length of a bridge is the number of rods used to construct the bottom span. Draw bridge #4 in the pattern above. Then complete the table and graph to show how the number of rods used varies with the length of the bridge.

Let n = Length of bridgeR = Number of rods

#### Equation:

