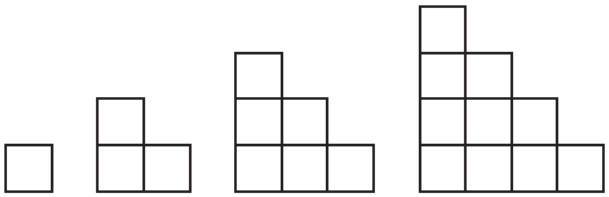
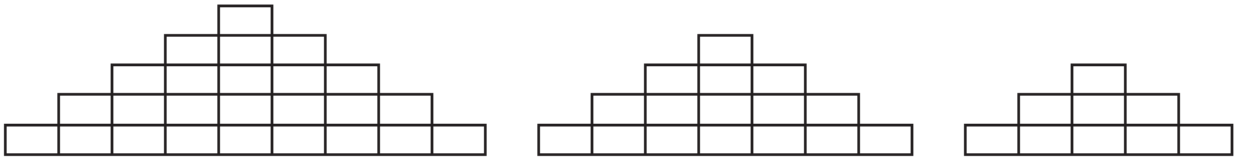
Algebra 1R Name _____
Unit 5 ~ Day 1 Homework

Write a numeric sequence to represent each given pattern or situation.

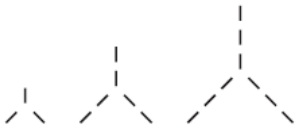
1. Write a numeric sequence to represent the number of squares in each of the first 7 figures of the pattern.



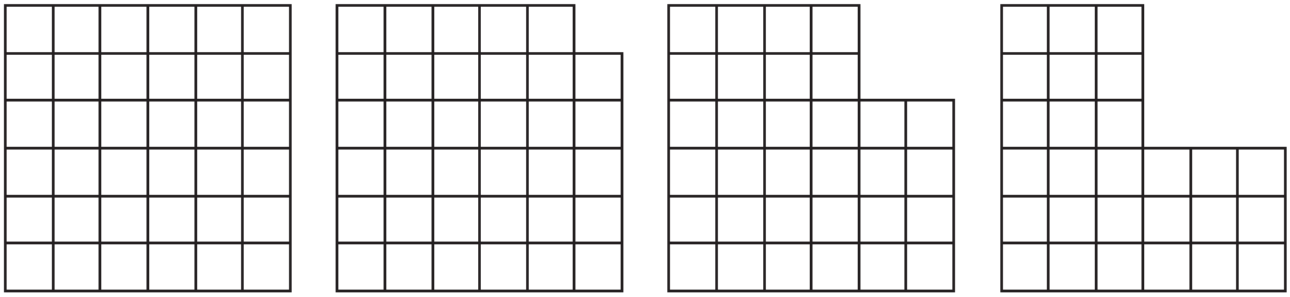
2. Write a numeric sequence to represent the number of blocks in each of the first 5 figures of the pattern.



3. Write a numeric sequence to represent the number of line segments in each of the first 7 figures of the pattern.



4. Write a numeric sequence to represent the number of squares in each of the first 6 figures of the pattern.



Determine the next 3 terms in each arithmetic sequence.

5. 90, 75, 60, 45, _____, _____, _____, . . .

6. $\frac{3}{5}, \frac{4}{5}, 1, \frac{6}{5}$, _____, _____, _____, . . .

7. 12, 16.5, 21, 25.5, _____, _____, _____, . . .

8. 3.8, 5.1, 6.4, 7.7, _____, _____, _____, . . .

Complete the table for the given sequence then graph on the coordinate plane.

9. $a_n = 75 + 25(n - 1)$

Term Number (n)	Value of Term (a_n)
1	
2	
3	
4	
5	
6	
7	
8	
9	
10