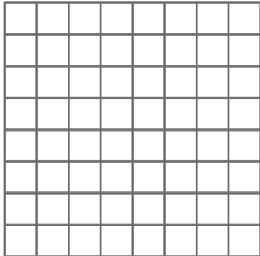
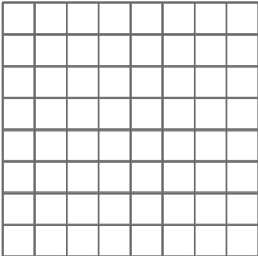


## 6.7 Recursively Defined Sequences (Arithmetic)

**Write the first six terms of the sequence. Write the sequence in set notation.**

1. $a_1 = 18, a_{n-1} - 1$	2. $a_1 = -5, a_{n-1} + 4$
3. $a_1 = 0, a_{n-1} + 2$	4. $a_1 = \frac{3}{2}, a_{n-1} + \frac{1}{2}$

**Graph the first four terms of the recursive sequence.**

5. $a_1 = 2, a_{n-1} - 3$  	6. $a_1 = 30, a_{n-1} - 10$  
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**Write a recursive rule for the arithmetic sequence.**

13.  d= _____	16.  d= _____
17.  d= _____	20.  d= _____

**Write a recursive rule for the arithmetic sequence.**

22.  
d=

**Write an explicit rule for the recursive rule.**

23.

24.

27.

**Write a recursive rule for the explicit rule.**

30.

31.

32.

**Make a table of the first 6 terms of the sequence. Then, Write a recursive rule and an explicit rule for the sequence. Do not graph.**

35.

38.

Recursive: \_\_\_\_\_ Explicit: \_\_\_\_\_

Recursive: \_\_\_\_\_ Explicit: \_\_\_\_\_

45. Describe and correct the error.