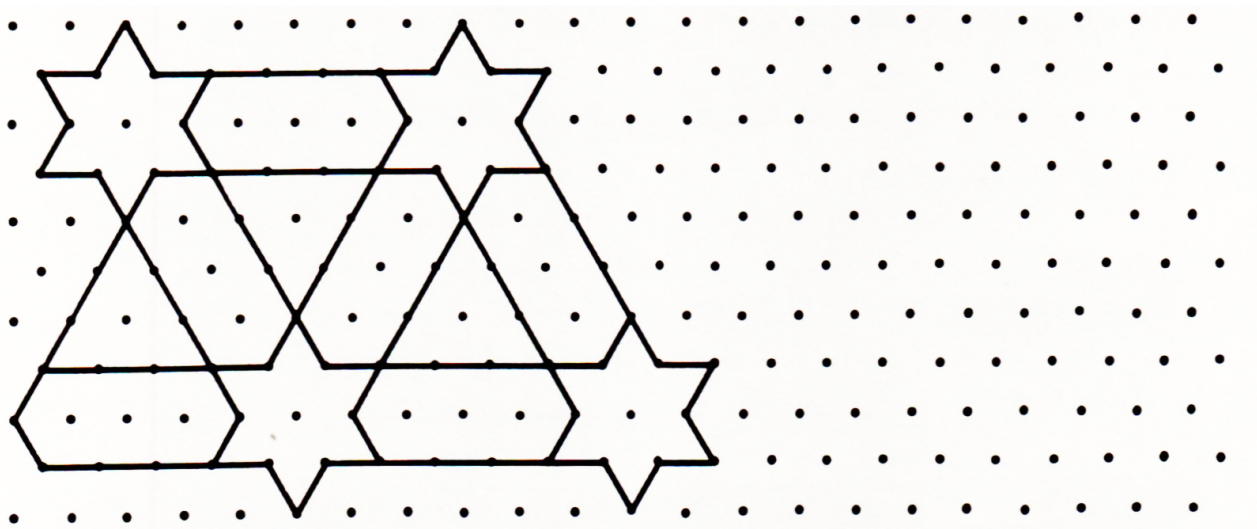


Assignment 1.2 – Sequences

1. Complete the visual pattern.



2. Find the next three terms for each numerical pattern, then state how you found them.

a. 486, 162, 54, _____, _____, _____ How:

b. 100, 99, 97, 94, _____, _____, _____ How:

c. 7, 13, 19, _____, _____, _____ How:

d. 5, 10, _____, _____, _____ How:

3. Look at the pattern in 2d, create a second pattern using the starting values.

What makes it possible for more than one pattern to be correct?

Refresh Your Memory

4. Evaluate each expression, given that $v = 5$, $x = 3$, $a = 7$, and $b = 5$

a. $(v + 1)(v^2 - v + 1)$

b. $\frac{x^2 - x + 6}{x + 3}$

c. $[a + 7(b - 3)]^2 \div 3$

5. Graph the ordered pairs from the tables on the given graphs.

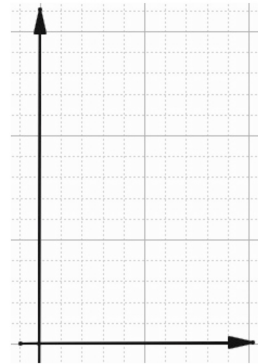
a.

x	y
0	3
2	7
3	9
5	13



b.

x	y
0	14
4	10
7	7
9	5



c.

x	y
2	11
4	10
6	9
8	8



d.

x	y
1	4
2	7
3	10
4	13

