Arithmetic Sequences 2: Finding arithmetic and recursive rules starting with n = 0 and n = 1

Write a function rule for each table then write the recursive rule for the same sequence.

1.

x	1	2	3	4	5
f(x)	5	8	11	14	17

Slope: _____   Y-intercept_____   Function Rule: _____

n	1	2	3	4	5
a_n	5	8	11	14	17

Starting Point_____   Constant Difference: _____   Recursive rule:_____

2.

x	0	1	2	3	4
f(x)	20	18	16	14	12

Slope: _____   Y-intercept_____   Function Rule: _____

n	0	1	2	3	4
a_n	20	18	16	14	12

Starting Point_____   Constant Difference: _____   Recursive rule:_____

3.

x	1	2	3	4	5
f(x)	50	55	60	65	70

Slope: _____   Y-intercept_____   Function Rule: _____

n	1	2	3	4	5
a_n	50	55	60	65	70

Starting Point_____   Constant Difference: _____   Recursive rule:_____

4.

x	0	1	2	3	4
f(x)	100	50	0	-50	-100

Slope: _____   Y-intercept_____   Function Rule: _____

n	0	1	2	3	4
a_n	100	50	0	-50	-100

Starting Point_____   Constant Difference: _____   Recursive rule:_____