Arithmetic Sequences: 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)	10	15	20	25	30

Slope: _____   Y-intercept_____   Function Rule: _____

n	1	2	3	4	5
a_n	10	15	20	25	30

Starting Point_____   Constant Difference: _____   Recursive rule:_____

2.

x	0	1	2	3	4
f(x)	80	60	40	20	10

Slope: _____   Y-intercept_____   Function Rule: _____

n	0	1	2	3	4
a_n	80	60	40	20	10

Starting Point_____   Constant Difference: _____   Recursive rule:_____

3.

x	1	2	3	4	5
f(x)	25	32	39	46	53

Slope: _____   Y-intercept_____   Function Rule: _____

n	1	2	3	4	5
a_n	25	32	39	46	53

Starting Point_____   Constant Difference: _____   Recursive rule:_____

4.

x	0	1	2	3	4
f(x)	100	70	40	10	-20

Slope: _____   Y-intercept_____   Function Rule: _____

n	0	1	2	3	4
a_n	100	70	40	10	-20

Starting Point_____   Constant Difference: _____   Recursive rule:_____