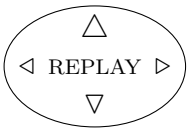
1. Follow these steps and fill in the missing values of f(X) = 3X in the table.

	What you will see on the screen	Tap
1st		MODE
2nd	1 : COMP 2 : STAT 3 : TABLE 4 : VERIF	3
3rd	f(X) =	3 ALPHA X
4th	f(X) = 3X ...	=
5th	Start? ...	1 =
6th	End? ...	7 =
7th	Step? ...	1 =

	X	f(X)
1	1	3
2	2	6
3	3	9

Hint press the arrows 

to see more

(ii) Complete this table

function	position to term rule	sequence	term to term rule
f(X) = 3X	$3n$	3 6 9	+ .....

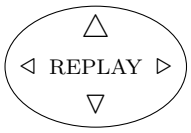
{FYI the position to term rule is also called the nth term rule}

2. Follow these steps and fill in the missing values of f(X) = 3X + 1 in the table.

	What you will see on the screen	Tap
1st		AC
2nd	f(X) = 3X	DEL DEL 3 ALPHA X + 1
3rd	f(X) = 3X + 1	=
5th	Start? 1	=
6th	End? 7	=
7th	Step? 1	=

Key
DEL = delete
ALPHA X = X

	X	f(X)
1	1	4
2	2	7
3	3	10

Hint press the arrows 

to see more

(ii) Complete this table

function	position to term rule	sequence	term to term rule
f(X) = 3X	$3n$	3 6 9 12 15 18 21	+ 3
f(X) = 3X + 1	$3n + 1$	4 7 10	+ .....

{FYI the position to term rule is also called the nth term rule}

Answers

function	position to term rule	sequence	term to term rule
f(X) = 3X	$3n$	3 6 9 12 15 18 21	+ 3
f(X) = 3X + 1	$3n + 1$	4 7 10 13 16 19 22	+ 3

When you have finished your worksheet follow the instructions on the next page

- to make the calculator work like a calculator

Instructions to make the calculator work like a calculator

Tap	What you will see on the screen	Tap
MODE	1 : COMP 2 : STAT 3 : TABLE 4 : VERIF	1