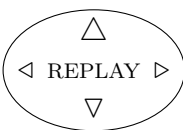1. (i) Follow these steps to begin using TABLE to see the values of f(X) from X = 1 to X = 7

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

	X	f(X)	
1	1	2	
2	2	4	
3	3	6	

Hint press the arrows (△ ◁ REPLAY ▷ ▽) to see more

(ii) Complete

- this sequence   2   4   6   ....

- the function f(X) = ...   makes the nth term (or position to term) rule $2n$

- this sequence has a term to term rule of + ...
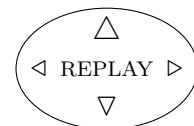
2. (i) Continue using TABLE to find the sequence of f(X) = 3X - 2 for X = 1 to 7

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

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

Hint press the arrows △ ◁ REPLAY ▷ ▽ to see more

(ii) Complete this table

Q	f(X)	position to term rule	sequence							term to term rule
1	2X	$2n$	2	4	6	8	10	12	14	+ 2
2	3X - 2	$3n - 2$	1	4	7	.....	.....	.....	.....	+ .....

Answers

Q	f(X)	position to term rule	sequence							term to term rule
1	2X	$2n$	2	4	6	8	10	12	14	+ 2
2	3X - 2	$3n - 2$	1	4	7	10	13	16	19	+ 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