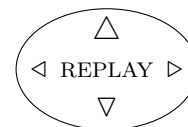


1. Follow these steps and fill in the missing values of $f(X) = 5X$ in the table.

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

| | X | f(X) |
|---|---|-------|
| 1 | 1 | 5 |
| 2 | 2 | 10 |
| 3 | 3 | 15 |
| 4 | 4 | ..... |
| 5 | 5 | ..... |
| 6 | 6 | ..... |
| 7 | 7 | ..... |

Hint press the arrows



to see more

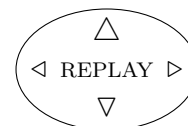
2. Follow these steps and fill in the missing values of $f(X) = 2X - 1$ in the table.

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

Key
DEL = delete
ALPHA X = X

| | X | f(X) |
|---|---|-------|
| 1 | 1 | 1 |
| 2 | 2 | 3 |
| 3 | 3 | 5 |
| 4 | 4 | ..... |
| 5 | 5 | ..... |
| 6 | 6 | ..... |
| 7 | 7 | ..... |

Hint press the arrows



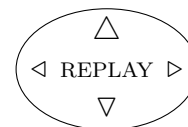
to see more

3. Follow these steps and fill in the missing values of $f(X) = 10X$ 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) = | 1 0 ALPHA X |
| 4th | f(X) = 10X ... | = |
| 5th | Start? ... | 1 = |
| 6th | End? ... | 7 = |
| 7th | Step? ... | 1 = |


| | X | f(X) |
|---|---|-------|
| 1 | 1 | 10 |
| 2 | 2 | 20 |
| 3 | 3 | 30 |
| 4 | 4 | ..... |
| 5 | 5 | ..... |
| 6 | 6 | ..... |
| 7 | 7 | ..... |

Hint press the arrows



to see more

4. (i) Follow these steps

| | What you will see on the screen | Tap | | | | | | | | | | | | |
|-----|--|---------------------------|------------------------------------|------|---|---|----|---|---|----|---|---|----|--|
| 1st | | AC | | | | | | | | | | | | |
| 2nd | f(X) = 10X | DEL DEL DEL 8 ALPHA X + 2 | Key DEL = delete ALPHA X = X | | | | | | | | | | | |
| 3rd | f(X) = 8X + 2 | = | | | | | | | | | | | | |
| 5th | Start? | = | | | | | | | | | | | | |
| | | 1 | | | | | | | | | | | | |
| 6th | End? | = | | | | | | | | | | | | |
| | | 7 | | | | | | | | | | | | |
| 7th | Step? | = | | | | | | | | | | | | |
| | | 1 | | | | | | | | | | | | |
| | <table border="1"> <thead> <tr> <th></th> <th>X</th> <th>f(X)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1</td> <td>10</td> </tr> <tr> <td>2</td> <td>2</td> <td>18</td> </tr> <tr> <td>3</td> <td>3</td> <td>26</td> </tr> </tbody> </table> | | X | f(X) | 1 | 1 | 10 | 2 | 2 | 18 | 3 | 3 | 26 | Hint press the arrows  to see more |
| | X | f(X) | | | | | | | | | | | | |
| 1 | 1 | 10 | | | | | | | | | | | | |
| 2 | 2 | 18 | | | | | | | | | | | | |
| 3 | 3 | 26 | | | | | | | | | | | | |

(ii) Complete this table

| Q | f(X) | position to term rule | sequence | term to term rule |
|---|--------|-----------------------|----------------------------------|-------------------|
| 1 | 5X | 5n | 5 10 15 20 25 30 35 | + 5 |
| 2 | 2X - 1 | 2n - 1 | 1 3 5 7 9 11 13 | + |
| 3 | 10X | 10n | 10 20 30 40 50 60 70 | + |
| 4 | 8X + 2 | 8n + 2 | 10 18 26 | + 8 |

(iii) Follow these 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 |

Answers

| Q | f(X) | position to term rule | sequence | term to term rule |
|---|--------|-----------------------|----------------------|-------------------|
| 1 | 5X | $5n$ | 5 10 15 20 25 30 35 | + 5 |
| 2 | 2X - 1 | $2n - 1$ | 1 3 5 7 9 11 13 | + 2 |
| 3 | 10X | $10n$ | 10 20 30 40 50 60 70 | + 10 |
| 4 | 8X + 2 | $8n + 2$ | 10 18 26 34 42 50 58 | + 8 |