

Page 169 Example 9

Finding least n in a geometrical sequence

TI-84 Plus

Plot1 Plot2 Plot3
 \checkmark Y1=5(3^{X-1})
 \checkmark Y2=
 \checkmark Y3=
 \checkmark Y4=
 \checkmark Y5=
 \checkmark Y6=

X	Y1	
0	1.6667	
1	5	
2	15	
3	45	
4	135	
5	405	
6	1215	

Press + for Δ Tbl

X	Y1	
3	45	
4	135	
5	405	
6	1215	
7	3645	
8	10935	
9	32805	

Y1=32805

Casio fx-9860GII

Table Func :Y=
Y1=5(3^{X-1}) [—]
Y2: [—]
Y3: [—]
Y4: [—]
Y5: [—]
Y6: [—]
[SEL] [DEL] [TYPE] [STYL] [SET] [TABL]

X	Y1
0	1.6666
1	5
2	15
3	45

FORM [DEL] [ROW] [EDIT] [G-CON] [G-PLT]

Y1=5(3^(X-1))

X	Y1
6	1215
7	3645
8	10935
9	32805

32805
FORM [DEL] [ROW] [EDIT] [G-CON] [G-PLT]