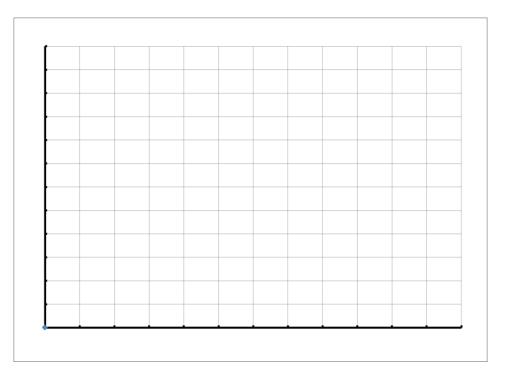
UNIT B - GRAPHING INVESTMENTS ON TI-83 (2nd Practice)

Karen wants to invest **\$2,500** for some length of time. She can do a Simple Interest account at 12% **or** a Compound Interest account compounded *monthly* at 12%. Graph the possibilities for the next **15** years.

How to graph. **Complete the table** below for each year for each type of investment.

Year; t	Simple Amount ; A	Compound Amount; A $A = 2500 * \left(1 + \frac{0.12}{12}\right)^{t*12}$
	A = 2500*(1+0.12*t)	A = 2300 + (1 + 12)
0	2500	2500
1	2800	2817.06 (2800 is close enough to graph)
2		
3	etc	etc
5		
10		
15		

Plot the points! Years of time along the bottom, \$ value along the vertical side. 'Scale' it first. Easy!!



OR !

BETTER YET. Use a graphing tool! The one on the TI-83 is good. There are another dozen Apps on your phone or other device too that graph.

X and Y VARIABLES. Graphing tools only understand Y and X, not A and t, etc. So everything is Y and X. The **X** is on the X,T,θ,n button.

