## FINANCIAL

Financial analysis can be done from the Finance menu ( $\boxed{I}$ ).

1. Compute the amount in the account (from our previous example) after 8 quarters.

To compute the amount in the account after 8 quarters, use compound interest. For compound interest, press F2 (COMPND). Enter the values, as shown, for $\mathbf{n}, \mathbf{I \%}, \mathbf{P V}$, and $\mathbf{P / Y}$. PV is the present value, the initial amount. $\mathbf{P} / \mathbf{Y}$ is the number of payments per year. Remember to press EXE after entering each value.


To compute the future value, press F5(FV). The negative sign is correct, as a reasonable interpretation is that $\$ 100$ was deposited and $\$ 108.28$ can be withdrawn. This value agrees with the previous result from the Recursion menu.

| 首 Norm1 |  | End |
| :---: | :---: | :---: |
| Compound Interest$\mathrm{FV}=-108.2856706$ |  |  |
|  |  |  |  |
| REPEAT | AHORTZ | GRAPH |

2. Determine how long it will take for the account to double in value to $\$ 200.00$.

To determine how long it will take for the account to double in value to $\$ 200.00$, press (F1)(REPEAT). For FV, enter (-) 200 EXE, then press $\mathbf{F 1 ( n )}$. This value agrees with the previous result from the Equation menu.

| 自 Norm1 |  | HEnd |
| :---: | :---: | :---: |
| Compound I | terest |  |
| $\mathrm{n}=8$ |  |  |
| I\% = 4 |  |  |
| $\mathrm{PV}=100$ |  |  |
| $\mathrm{PMT}=0$ |  |  |
| $\mathrm{FV}=-200$ |  |  |
| $\mathrm{P} / \mathrm{Y}=4$ |  | $\downarrow$ |
| n [1\% | PMT FV | AKORTZ |


| Norm1Compound Interest$n=69.66071689$ |  |  |
| :---: | :---: | :---: |
|  |  |  |
| REPEAT | CHORTZ | GRAPH |

