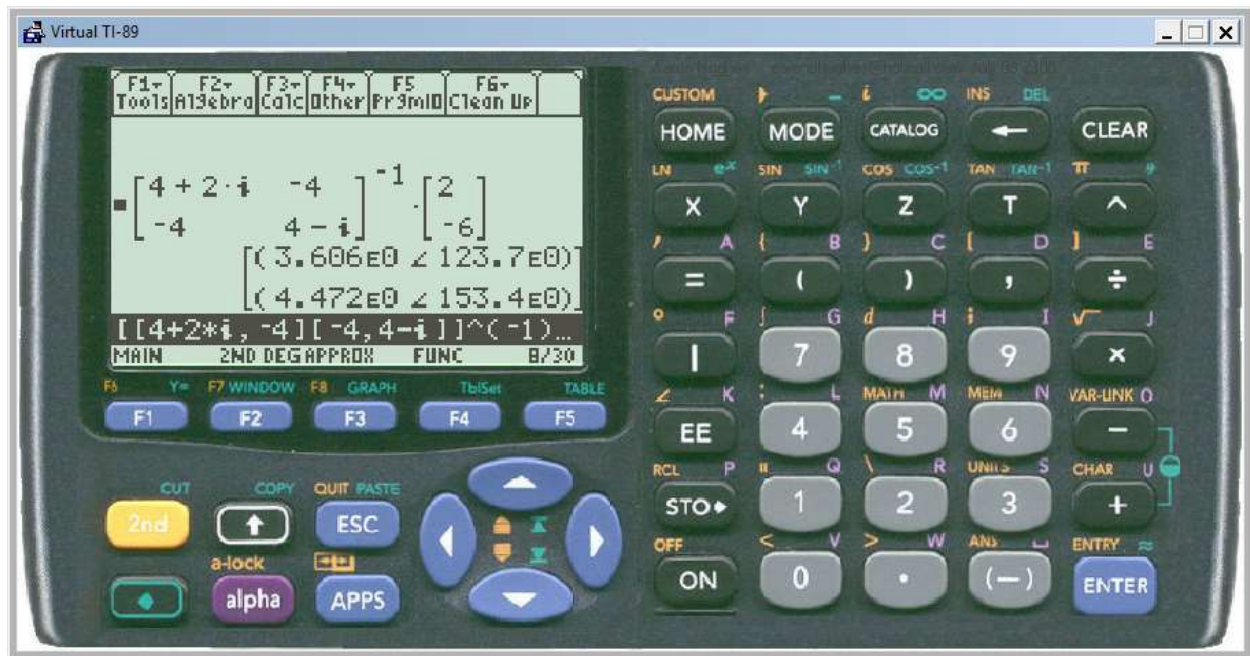


## Solving complex matrices on the TI-89 (and Titanium)



This solution is of the same from covered in lecture,  $X = A^{-1} * B$ .

To enter this, type: `[ (4+2*i) , -4 ; -4 , (4-i) ] ^ (-1) * [2 ; -6]`

Note the following:

1. Commas are used to separate elements in the same row
2. Semicolons are used to separate rows
3. Square brackets enclose the matrix
4. Enclose complex vectors in parentheses when typing them. Polar form demands that you do this, but it's a good habit to do this for rectangular form as well.
5. This method seems to support mixing of both rectangular and polar forms.
6. Use a negative symbol for negative numbers, not a minus sign.
7. Use **i** (2<sup>nd</sup> + CATALOG), not just i (alpha + 9)