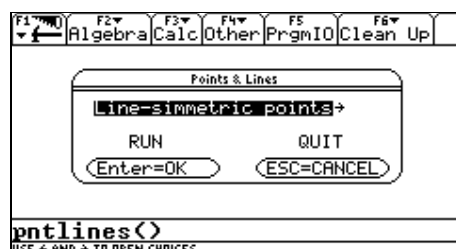


The program analyses a lot of analytic geometry problems with points and lines: line notation conversion, line across two point, lines intersection, line bisectors, orthogonal lines, point on line projection, line-symmetric points, point-line distance, segment medium point and more over. The result is displayed in function or parametric graph mode and it can be saved for a future utilisation. All data can be entered either in function or parametric notation.

Example:

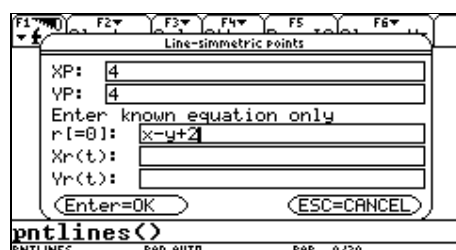
Calculates the symmetric point  $P'$  of a given point  $P=[4,4]$  respective to a given line  $r: x-y+2=0$ .

Enter from the home-screen **pnlines()** and select **C: Line-symmetric points**

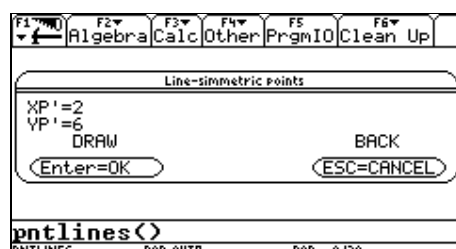


**Enter**

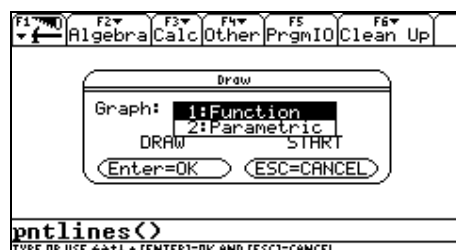
Enter your data:



**Enter**

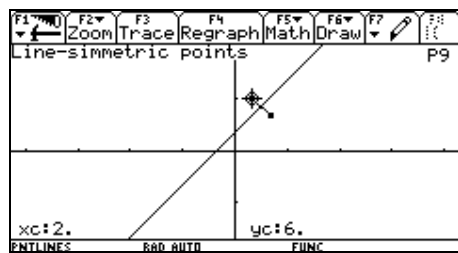


Requested point coordinates are displayed. Press **Enter** to draw result.

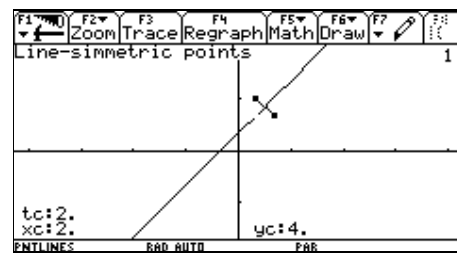


Chose Function or parametric graph mode:

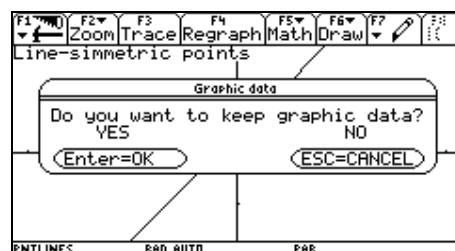
Function



Parametric



Esc



Press **Enter** to save results.

This program has been already used many times without problems. If you finds any bug first assure you to have selected the English language in the mode and not to have translated the code with any program. If the problem persists please let me know.

For a better and faster answer please enclose some screenshot of the bug: entered inputs, expected outputs, error messages, erroneous code line, mode stetting... it will help me very much!

My address is [paolosilingardi@interfree.it](mailto:paolosilingardi@interfree.it) . Thank you very much for your help!

Paolo Silingardi