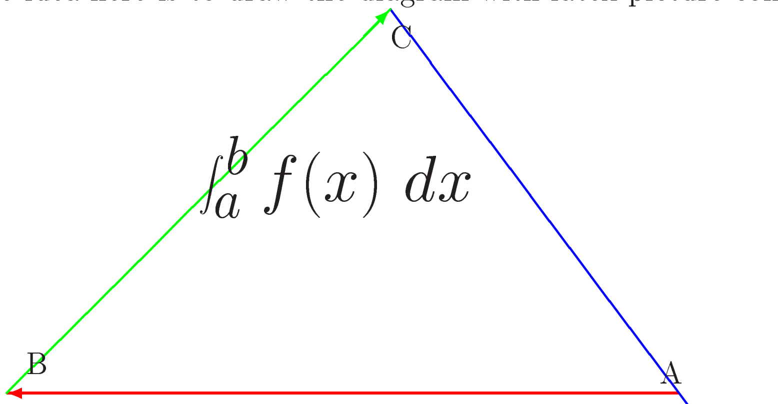
Getting Graphics for LaTeX documents

There are many ways to get pictures into LaTeX documents. We will cover just a few. This will take care of 90 per cent of our needs.

1 The picture environment in LaTeX.

The idea here is to draw the diagram with latex picture commands.

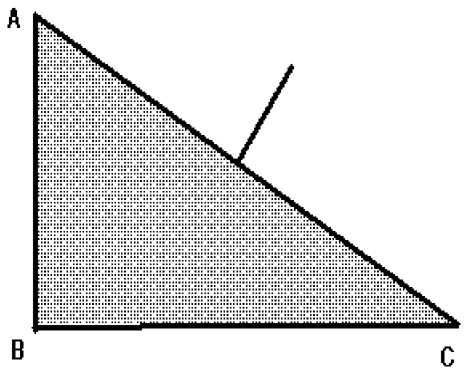


Generally speaking, it takes a lot of work to draw something with picture commands, but such pictures are very portable (that is, can be drawn in most versions of LaTeX).

2 Monochrome drawings with MS Paint

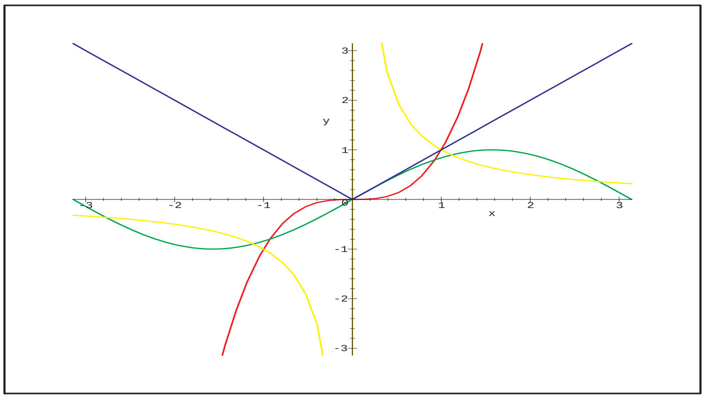
To draw for example a geometrical diagram

- Launch the Paint application from Accessories.
- Set the size to something like 4 by 2.4 inches. (Use the Attributes Option from the Image menu
- Make a drawing
- Save as monochrome bmp (say pic.bmp) in the right directory
- Be sure to include graphicx in your list of packages
- Put `\includegraphics[height=4in,width=2.4in]{pic.bmp}` in your tex file.



3 Using Maple to draw color eps files

- Launch Maple (release 4 or 5)
- Then in a worksheet issue these commands
- `plotsetup(ps,plotoutput=‘pic.eps‘,plotoptions=‘color‘);`
- `plot({sin(x),x^3},x=-Pi..Pi);`
- Get the file pic.eps into the right directory
- proceed as above with MS Paint



Note: Maple graphics arc ordinarily printed in landscape, so must be rotated 90 degrees.