Links to FP and COCOMO II examples:

Here is an article that describes an example using COCOMOII, and links to a tool that can be downloaded (I did not try it so not sure if it is any good)
http://www.codeproject.com/KB/architecture/cocomo2.aspx

Here's also an example from a set of course slides, that shows a calculation of COCOMOII.
http://phillips.rmc.ca/courses/493-2001/lectures/14-cocomo-exercise.ppt

This paper seems really nice, as an example of how to really use both function points and COCOMO II. They first do a FP count and then use this for COCOMOII. Although they do not really say how they analyzed the software/requirements to arrive at those function points, you get some examples of what FPs can be. And then they do all the calculations.
www.micsymposium.org/apache2-default/mics_2004/Gu.pdf

Here are some very simple but quite illustrative examples of the different kinds of function points:
http://www.softwaremetrics.com/examples/default.htm

Other than that, just Google for "function point software" or "COCOMO software", and you will find some downloadable software to play with. Since I did not try any of them, I cannot recommend any one in particular.