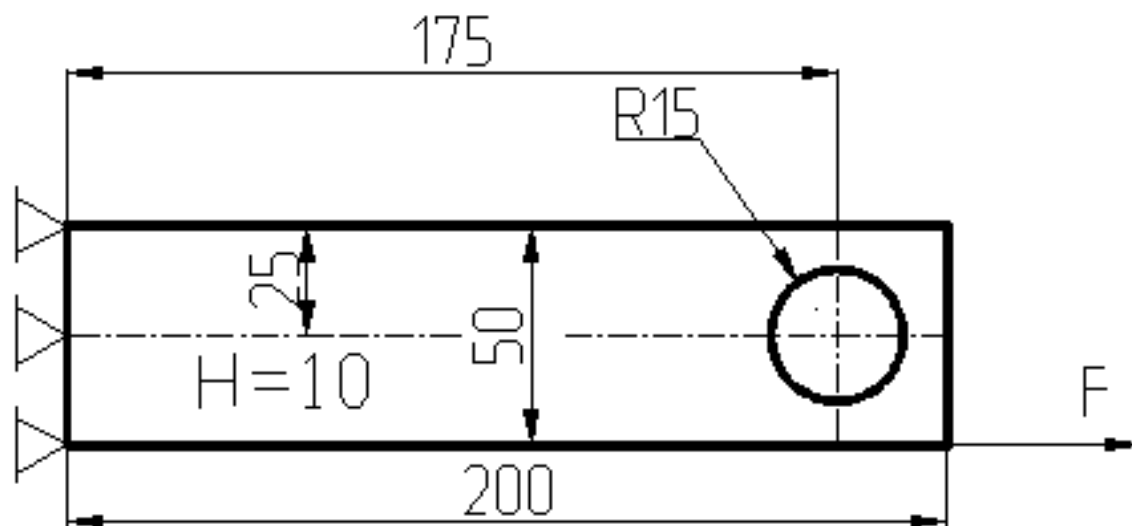
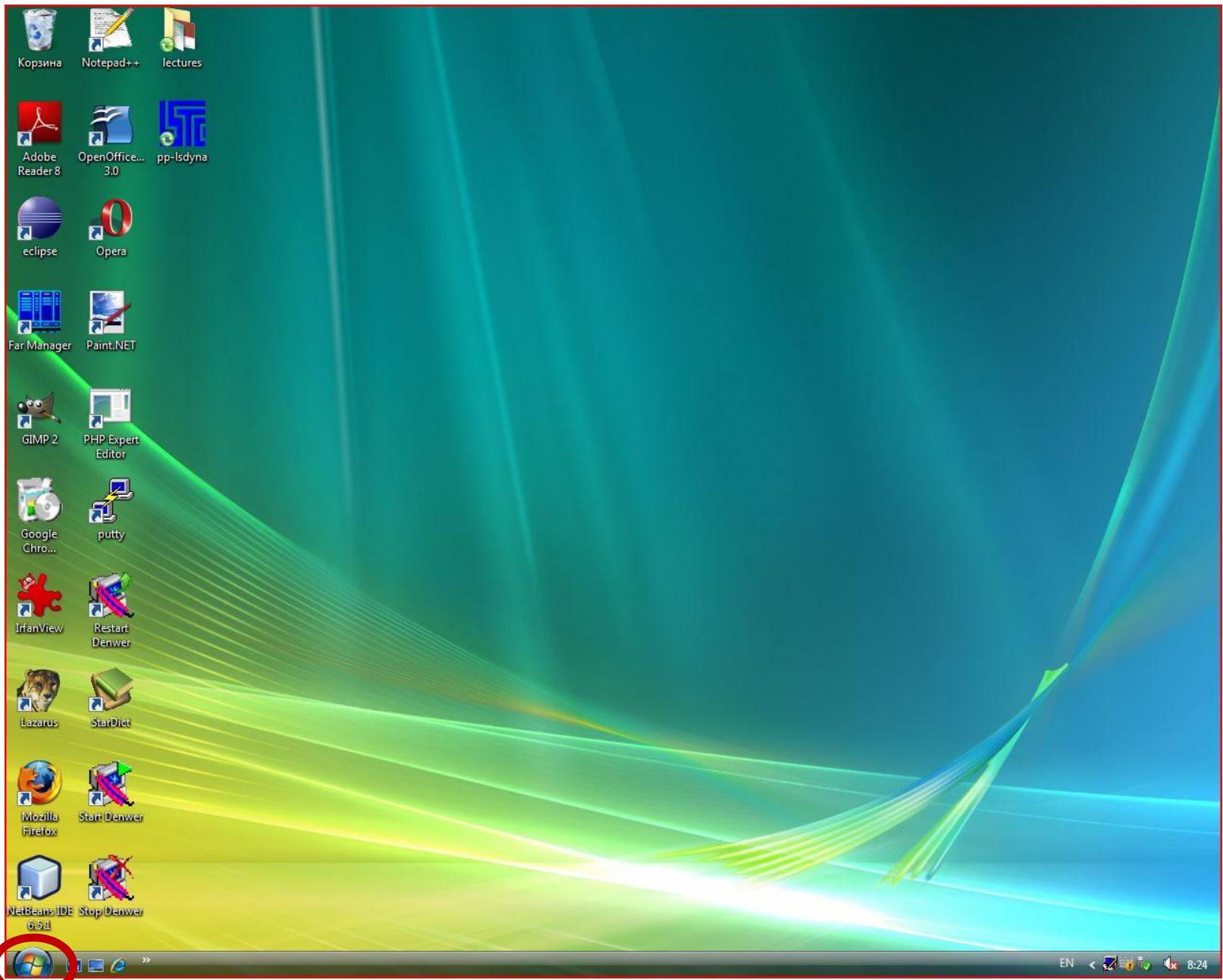
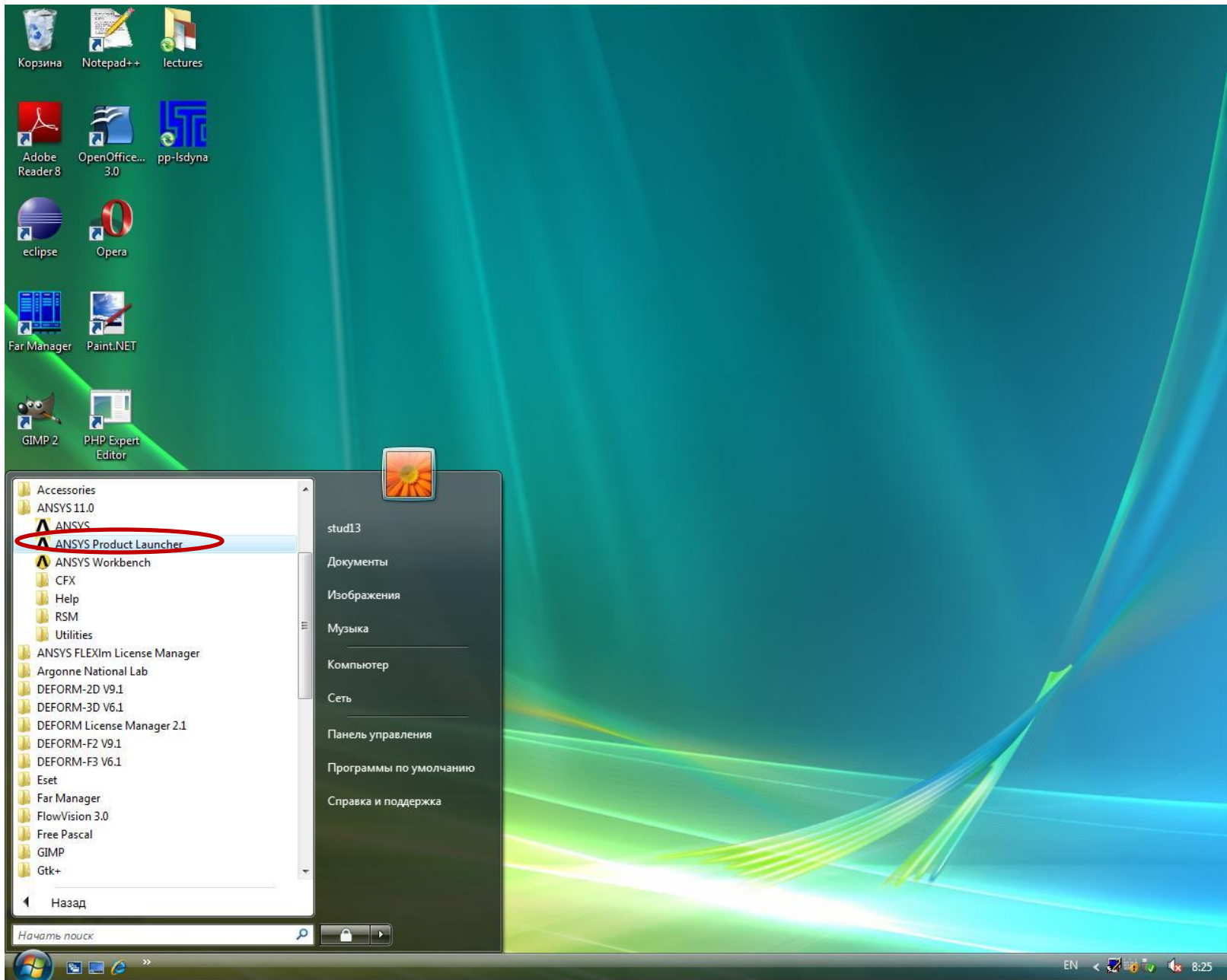
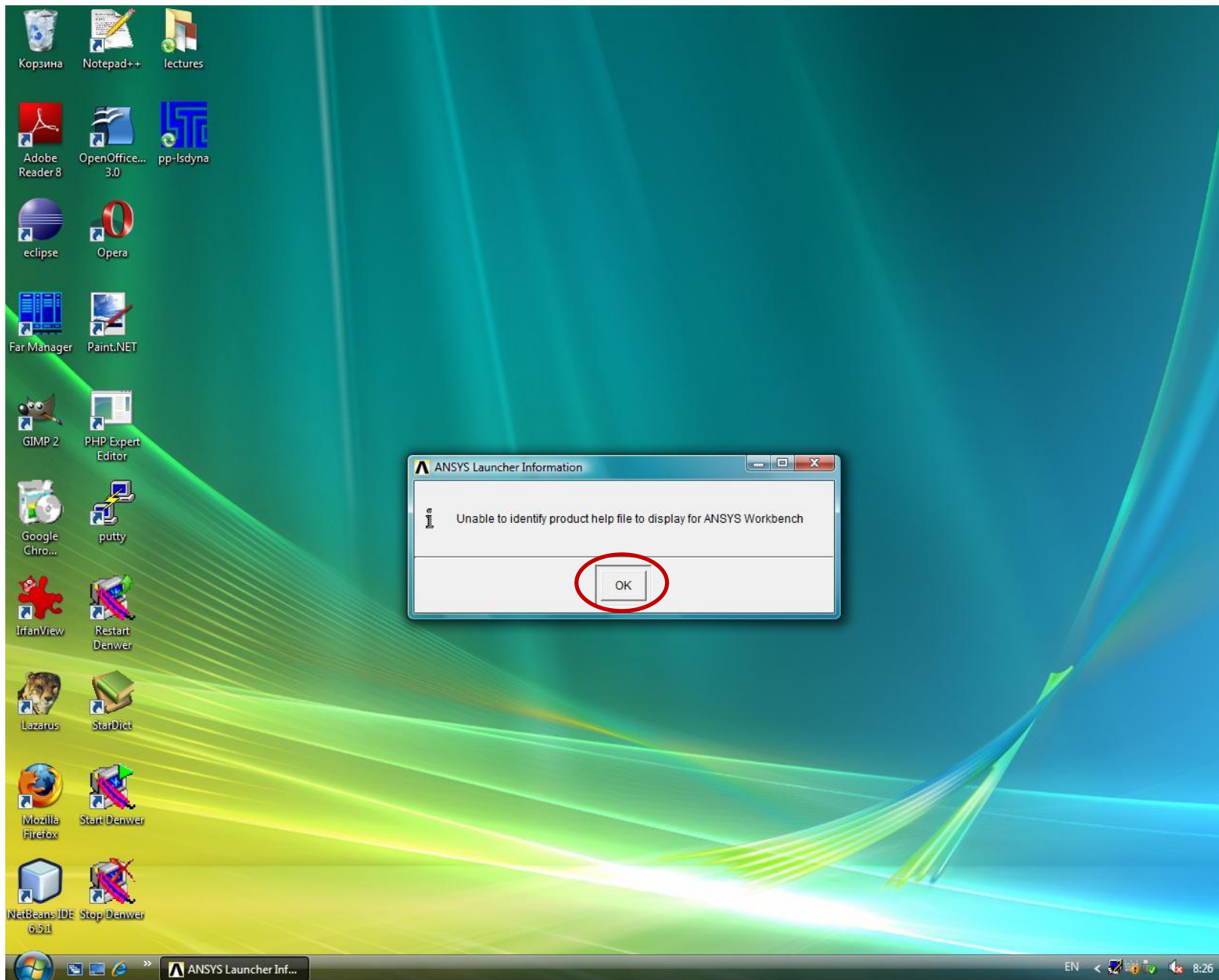


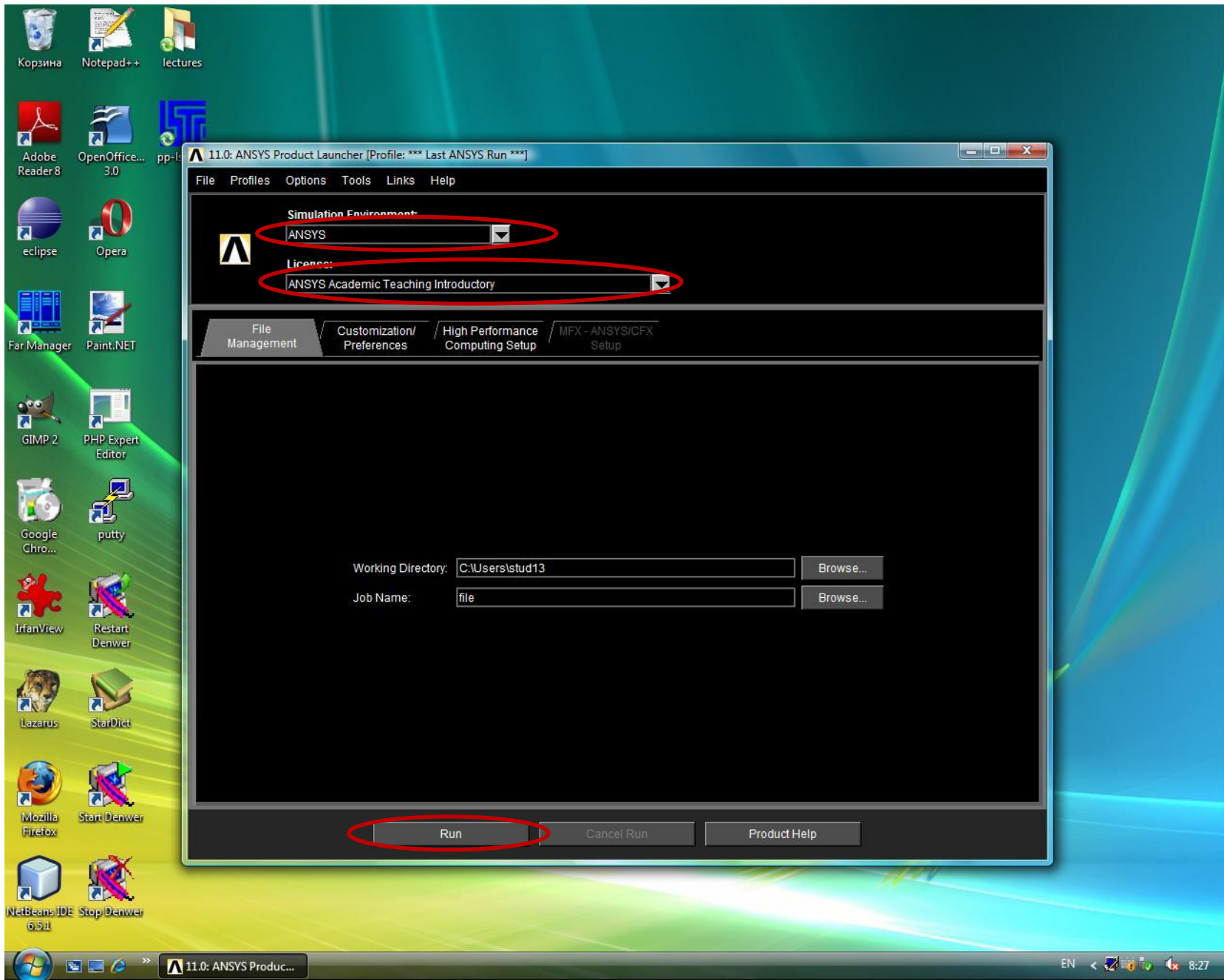
К свободному краю консольно закрепленной плоской прямоугольной пластины с отверстием приложена растягивающая нагрузка $F=5000$ Н.

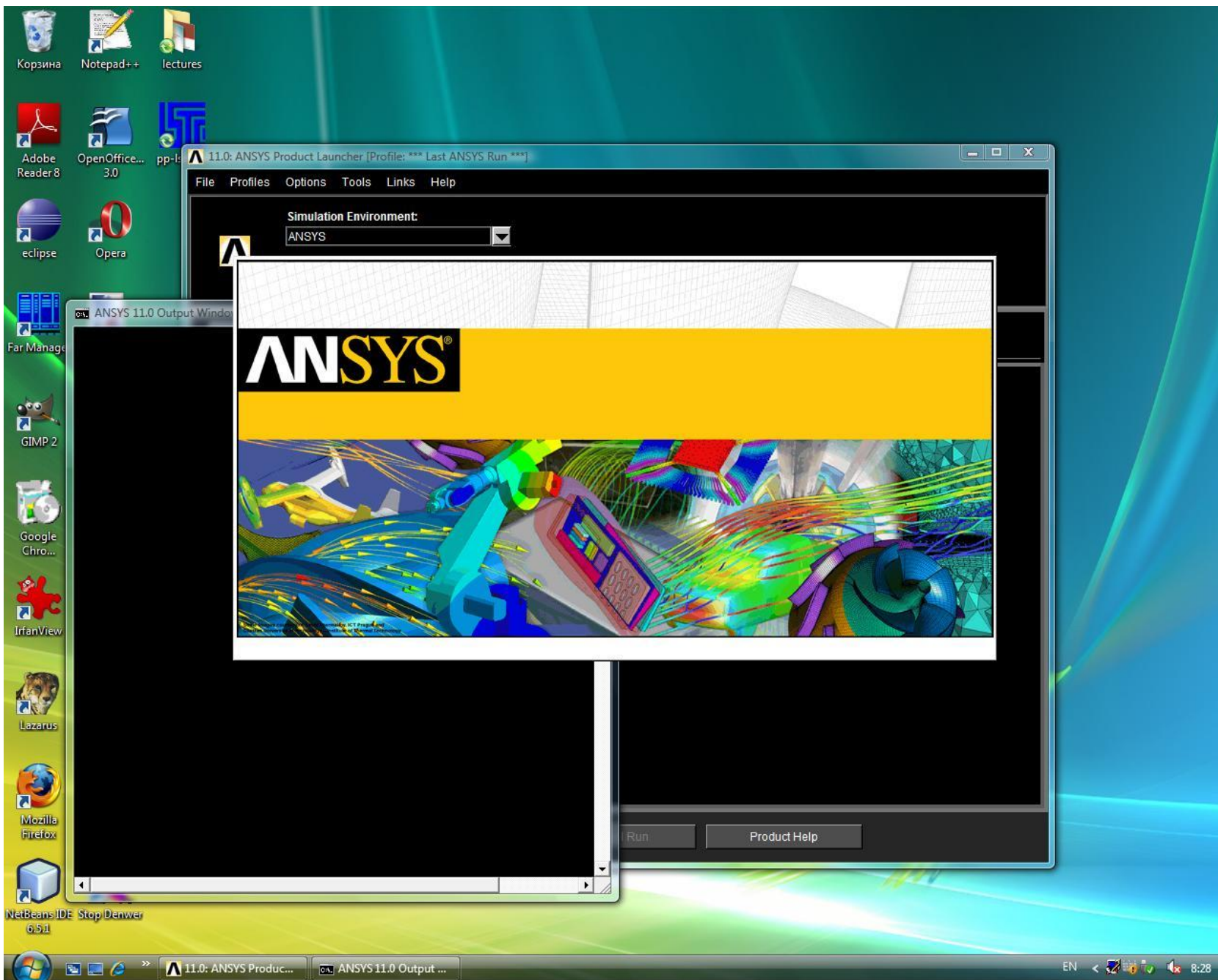


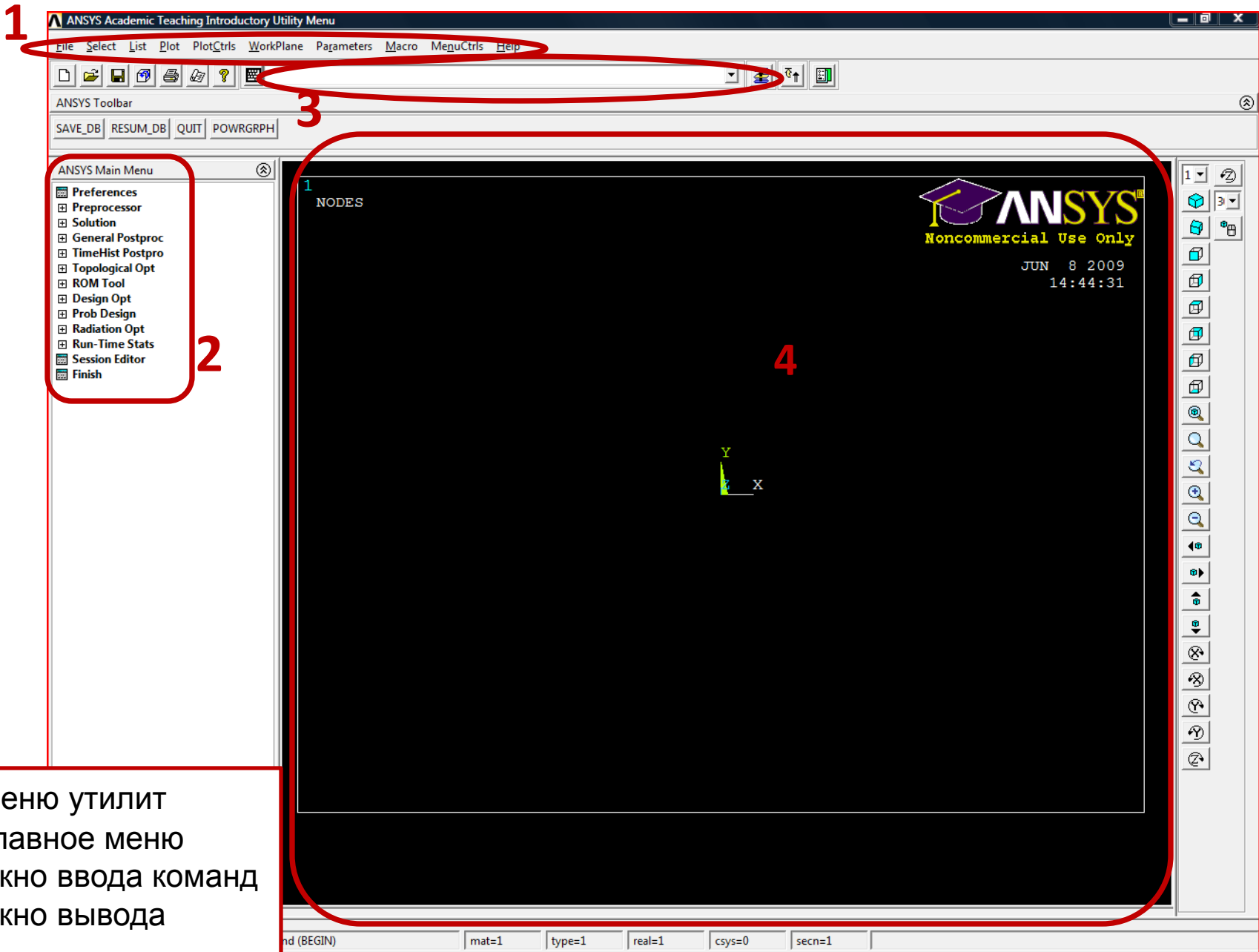


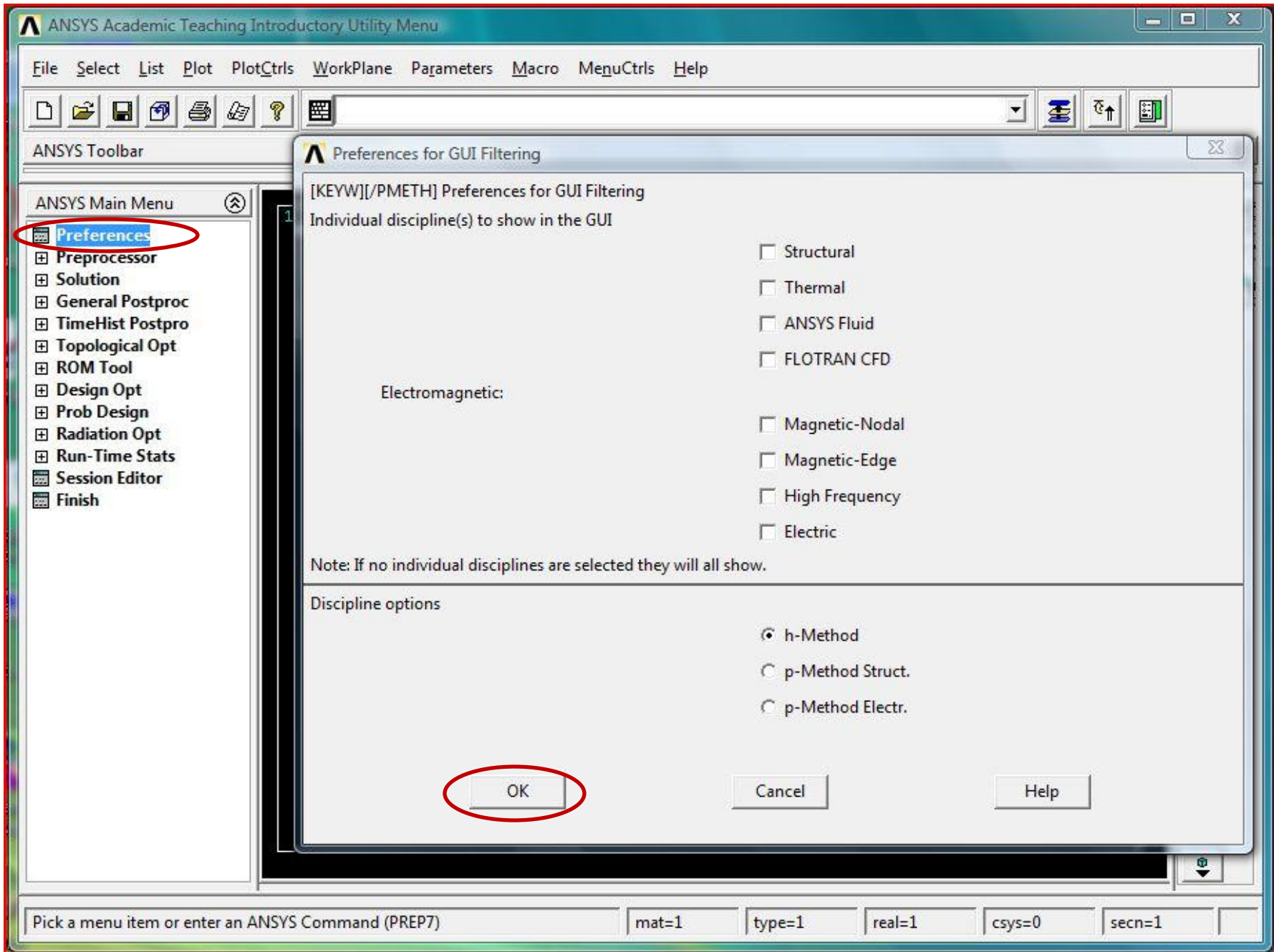


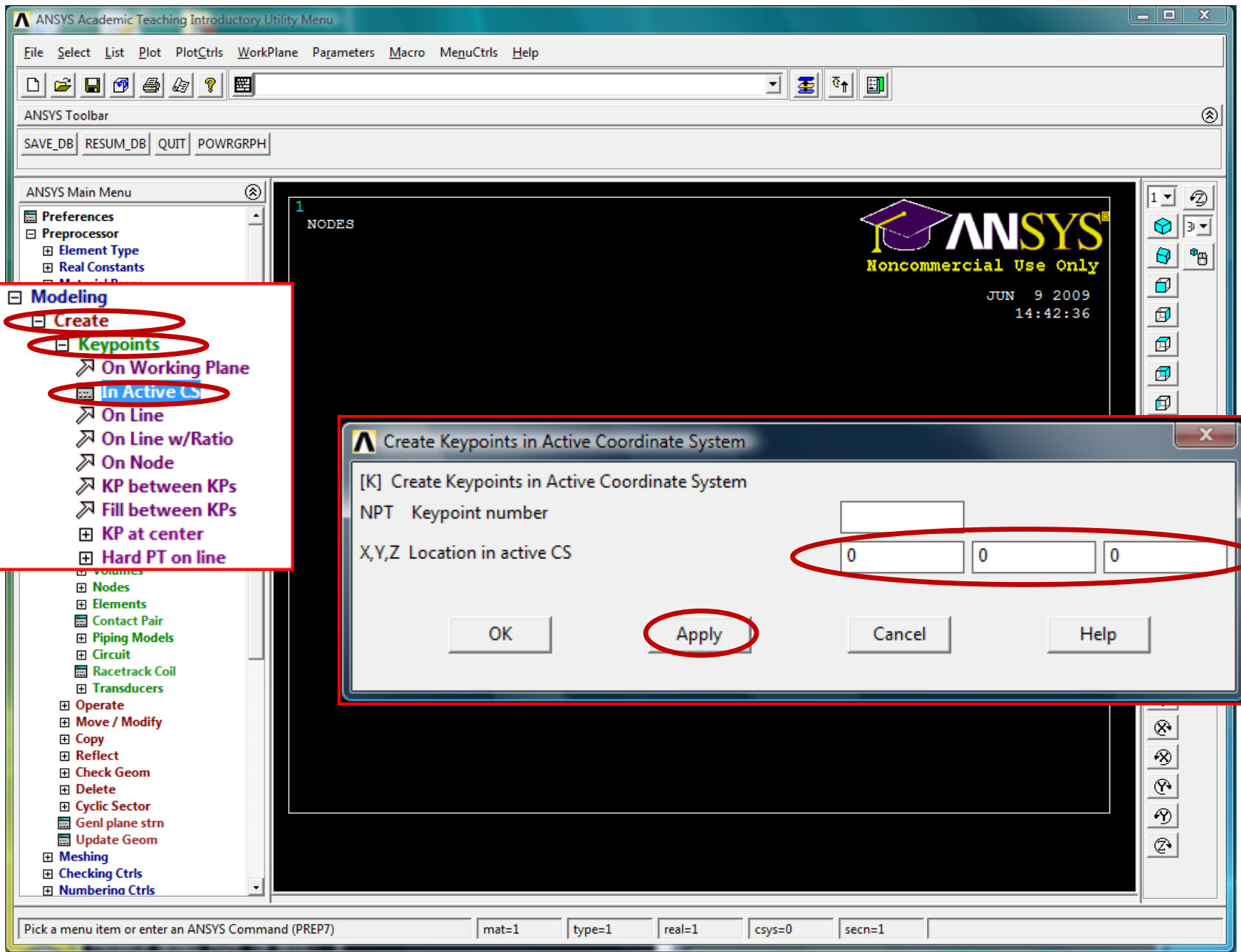


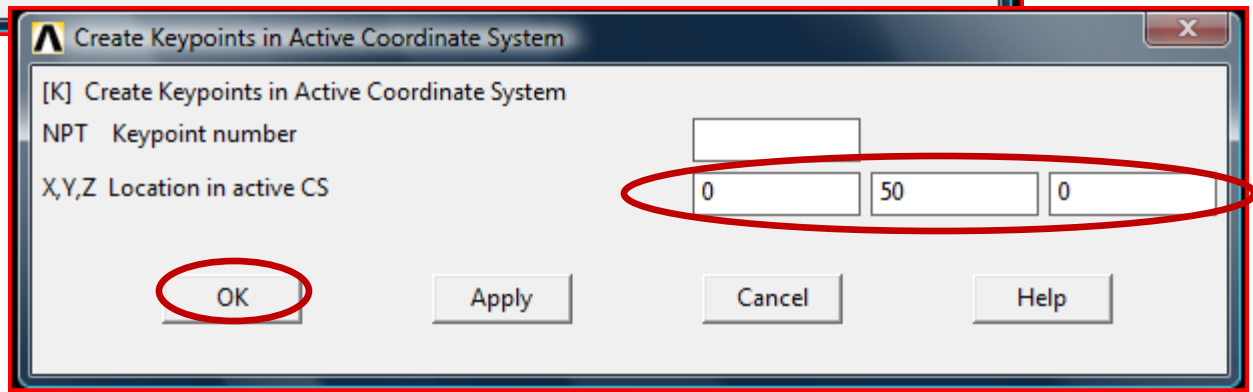
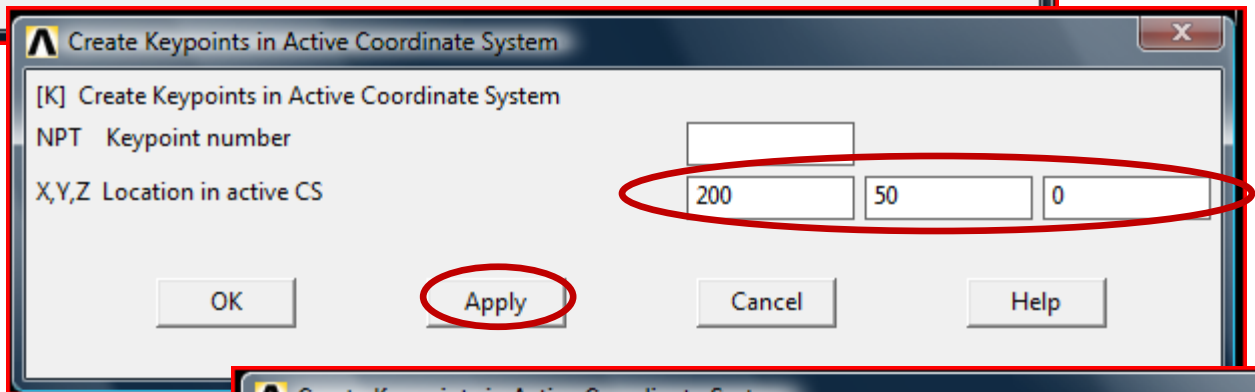
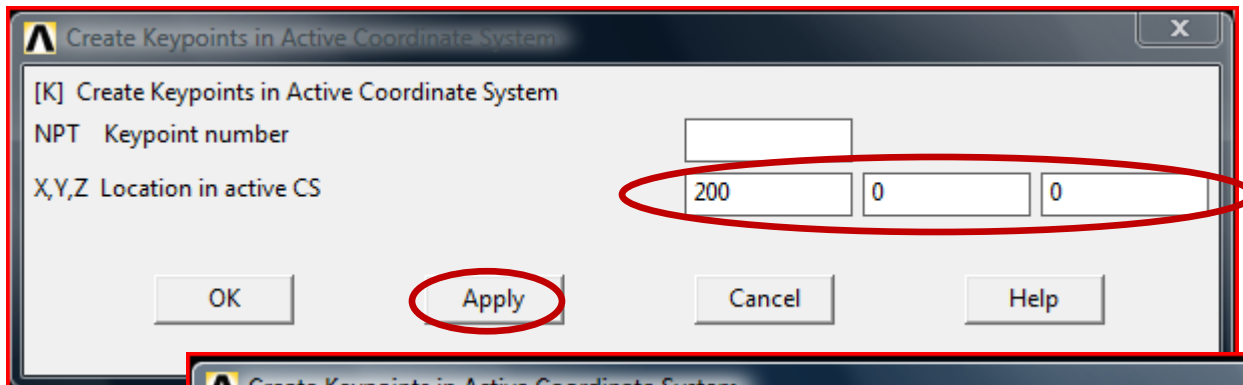


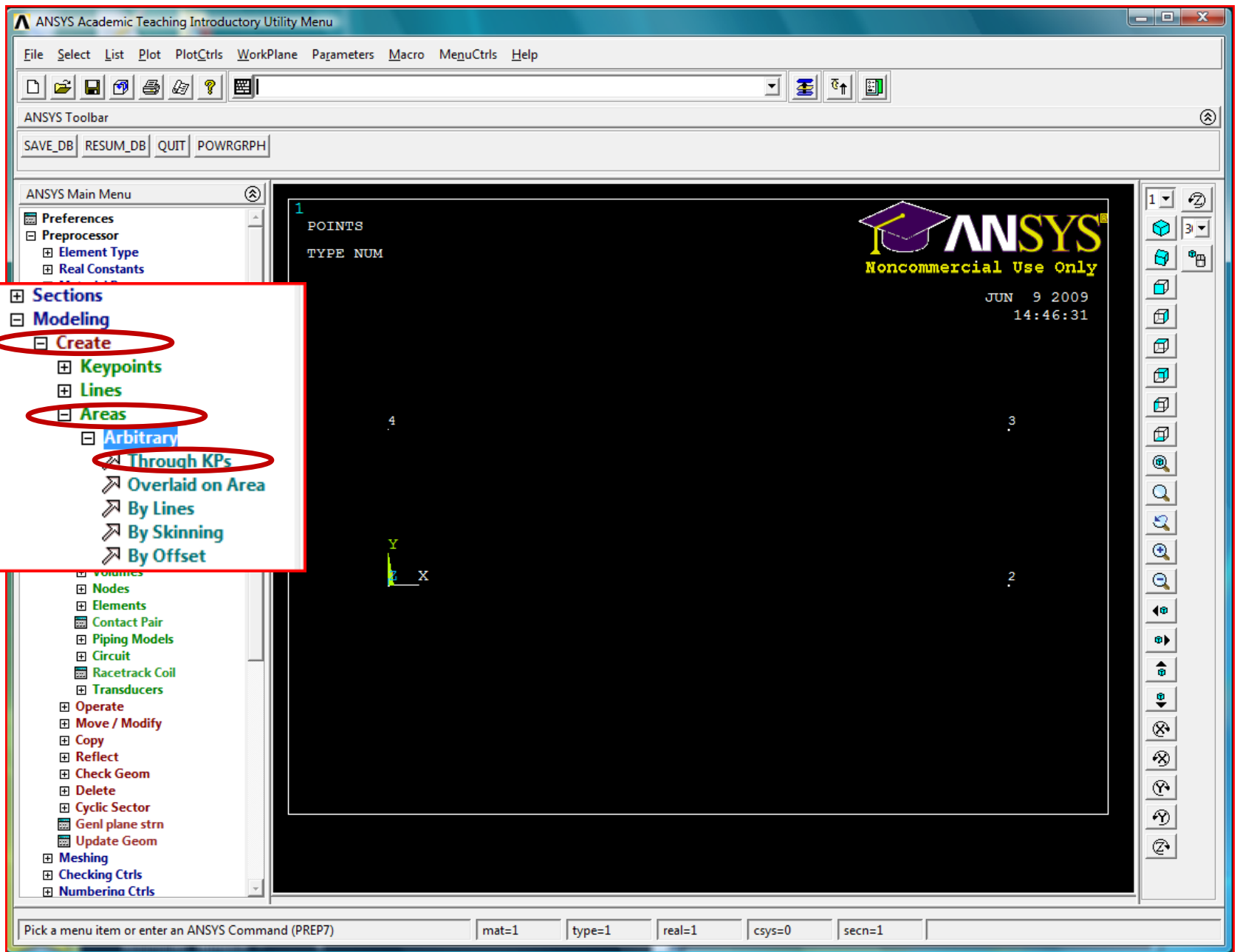


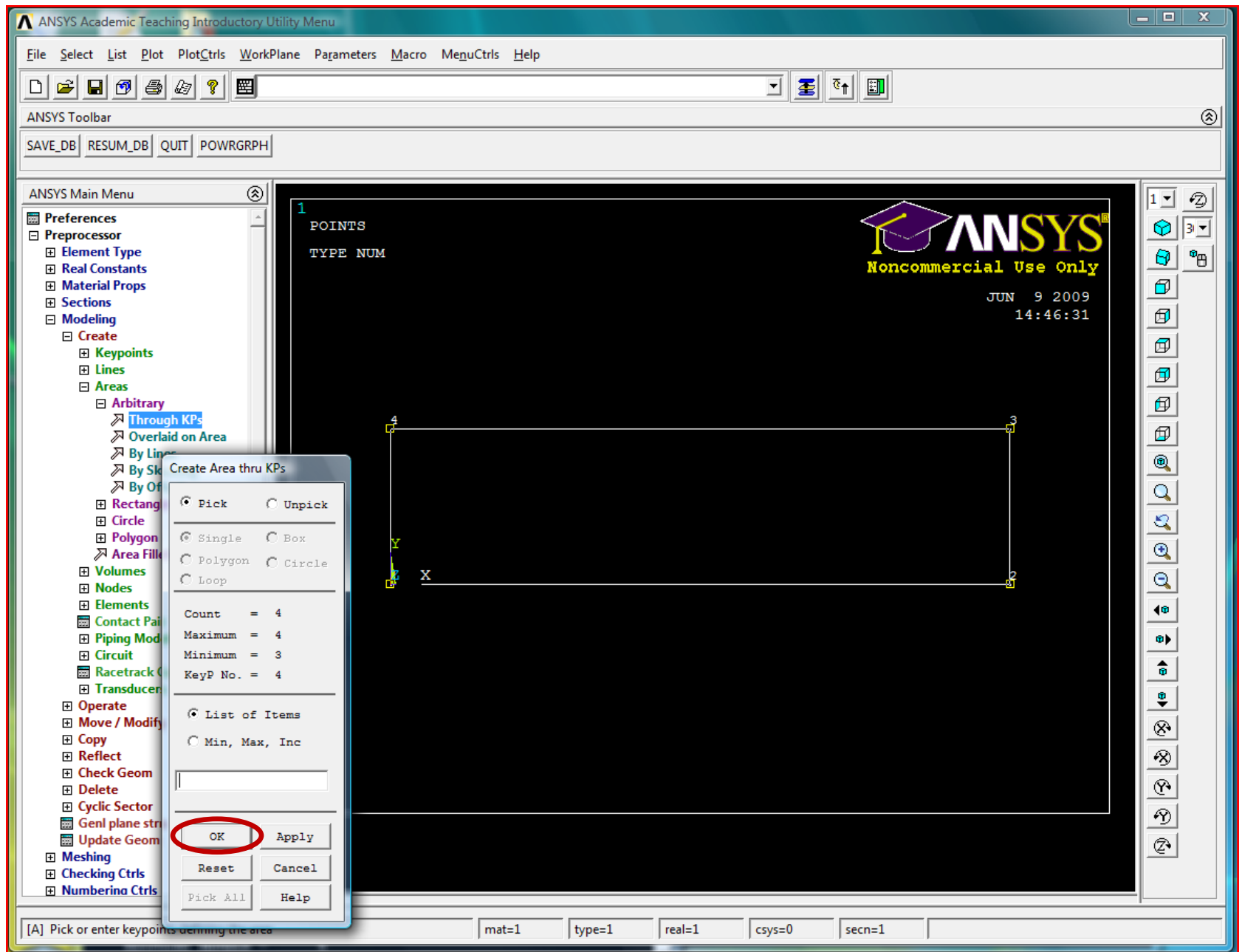


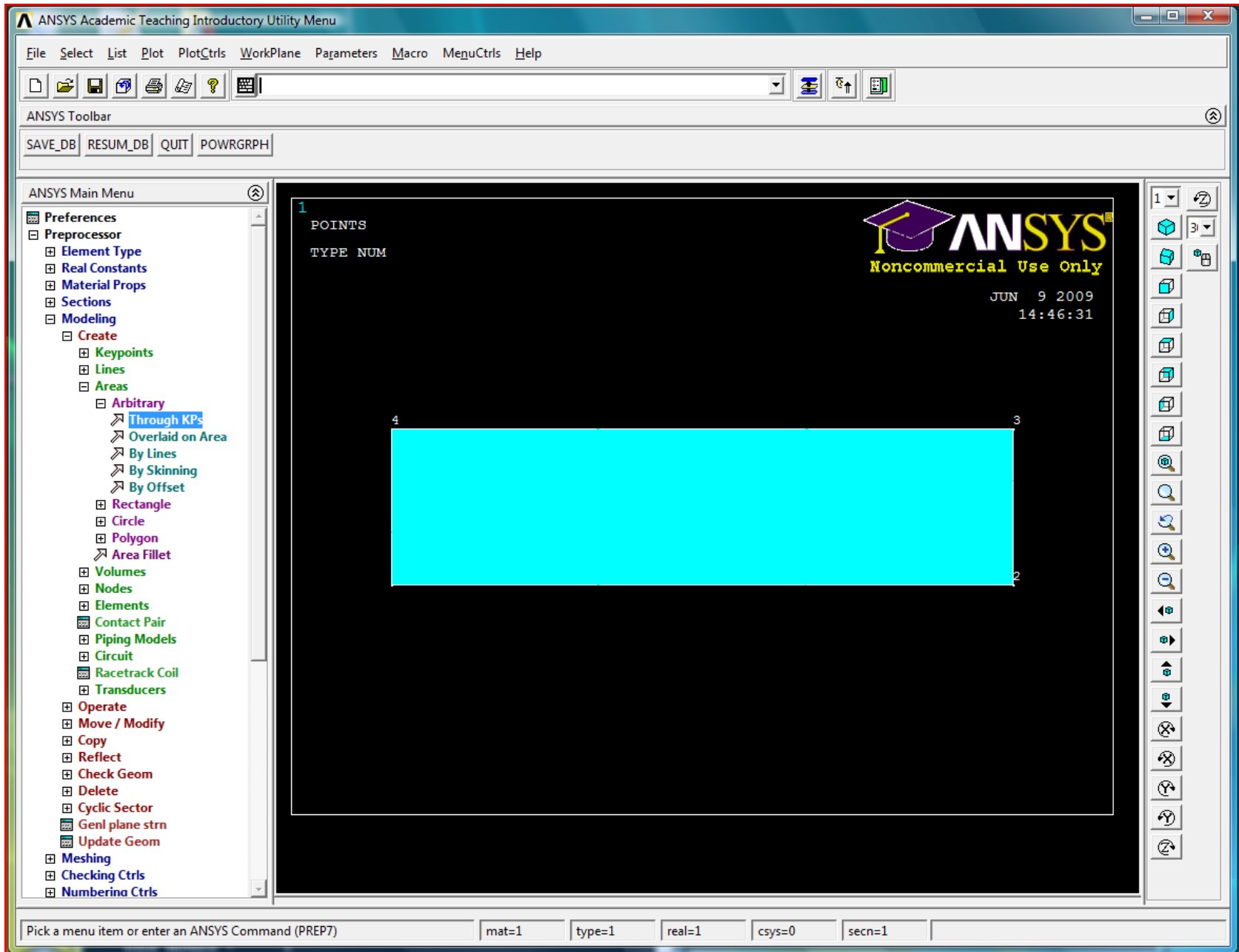


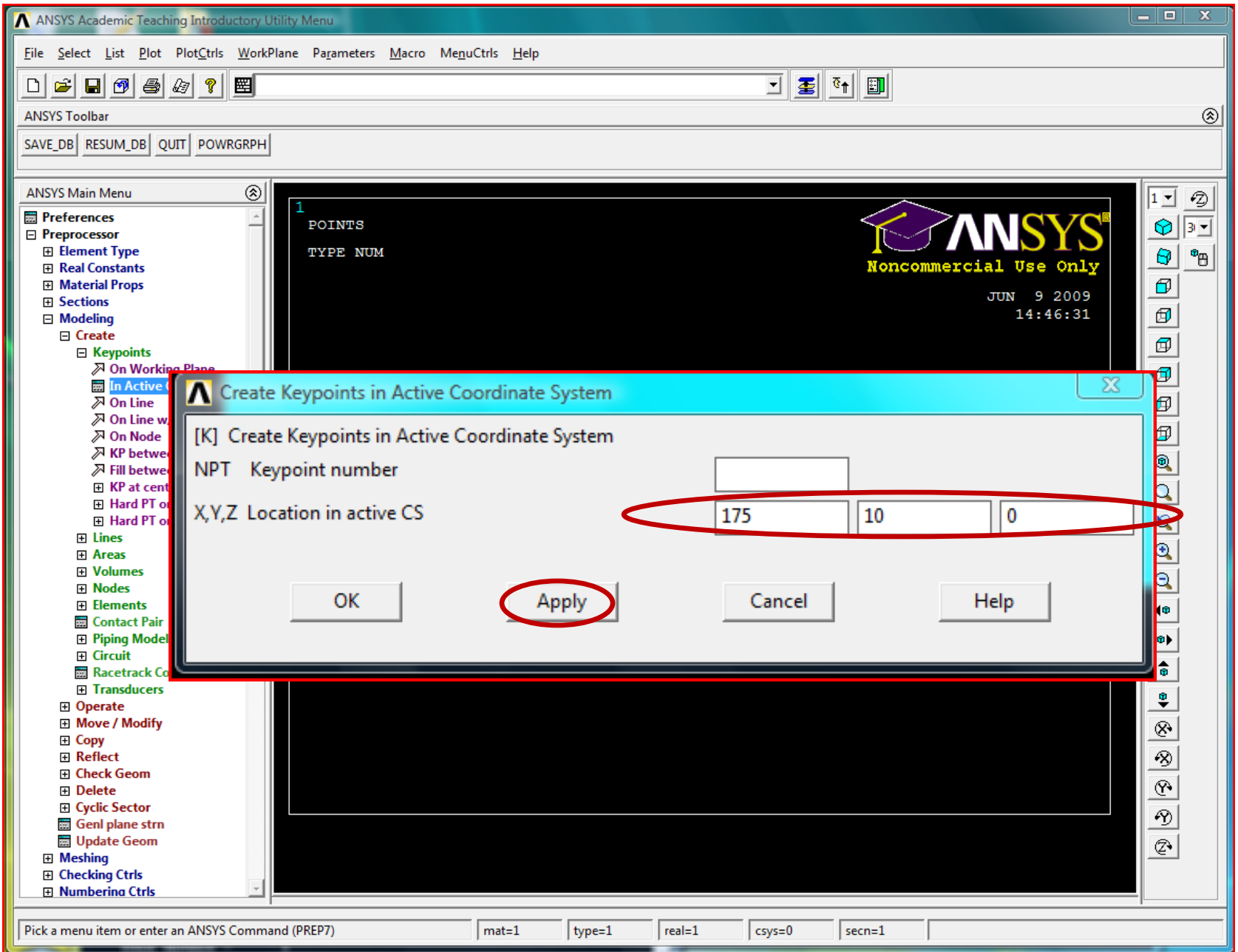


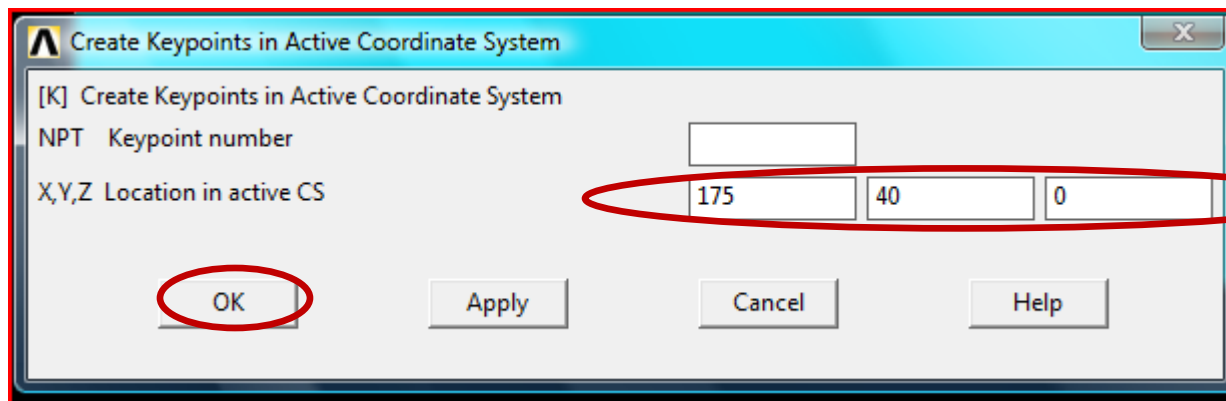


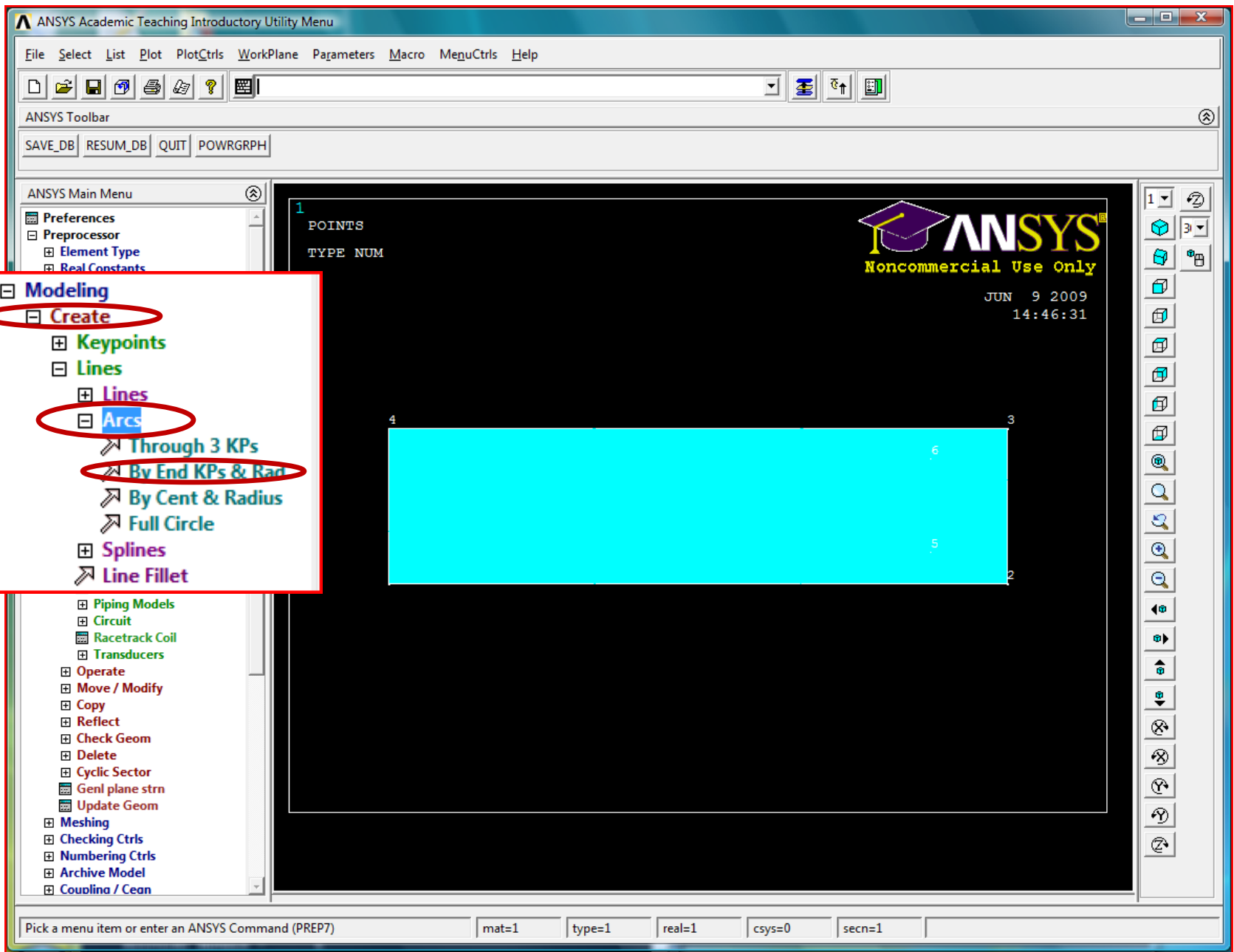


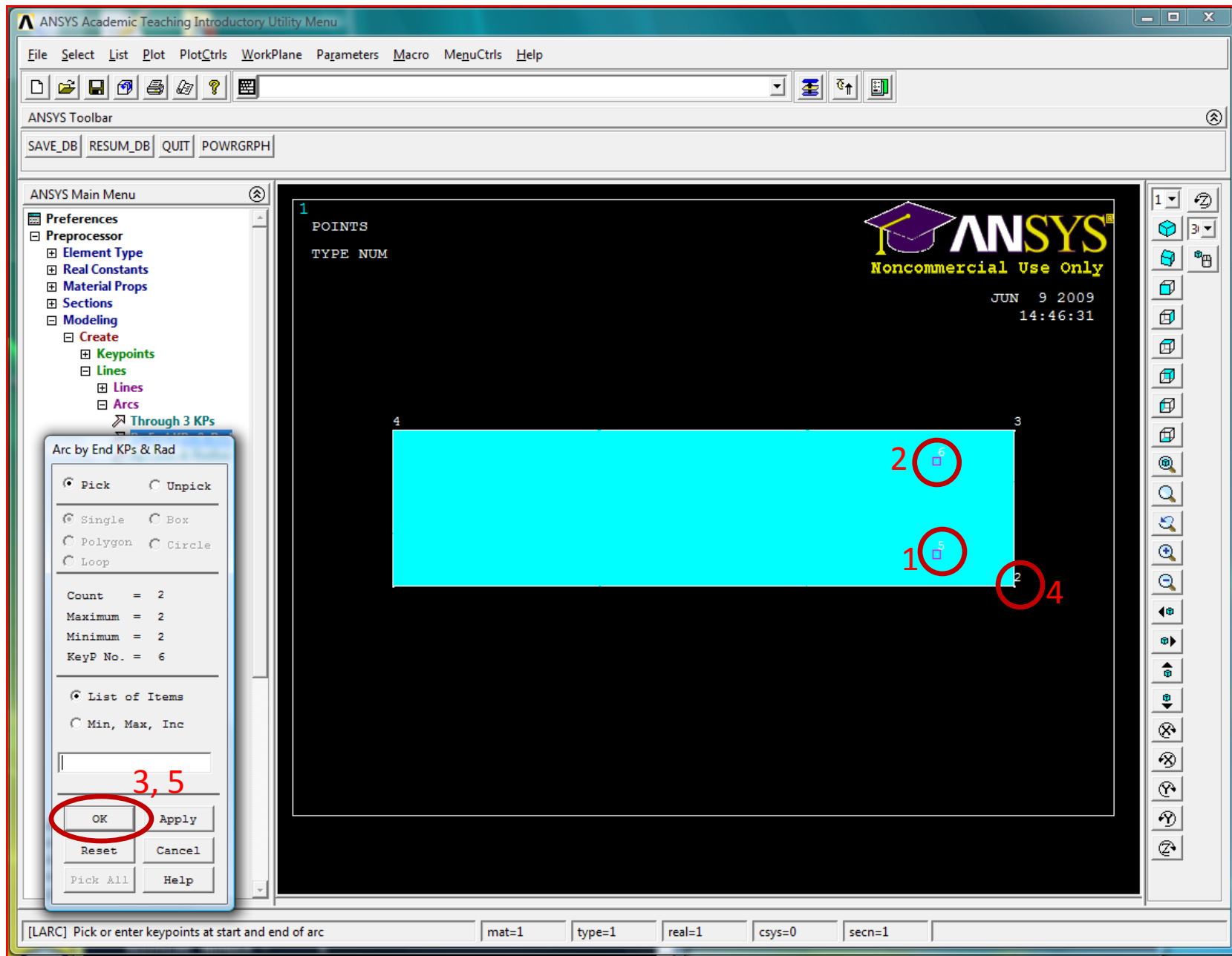


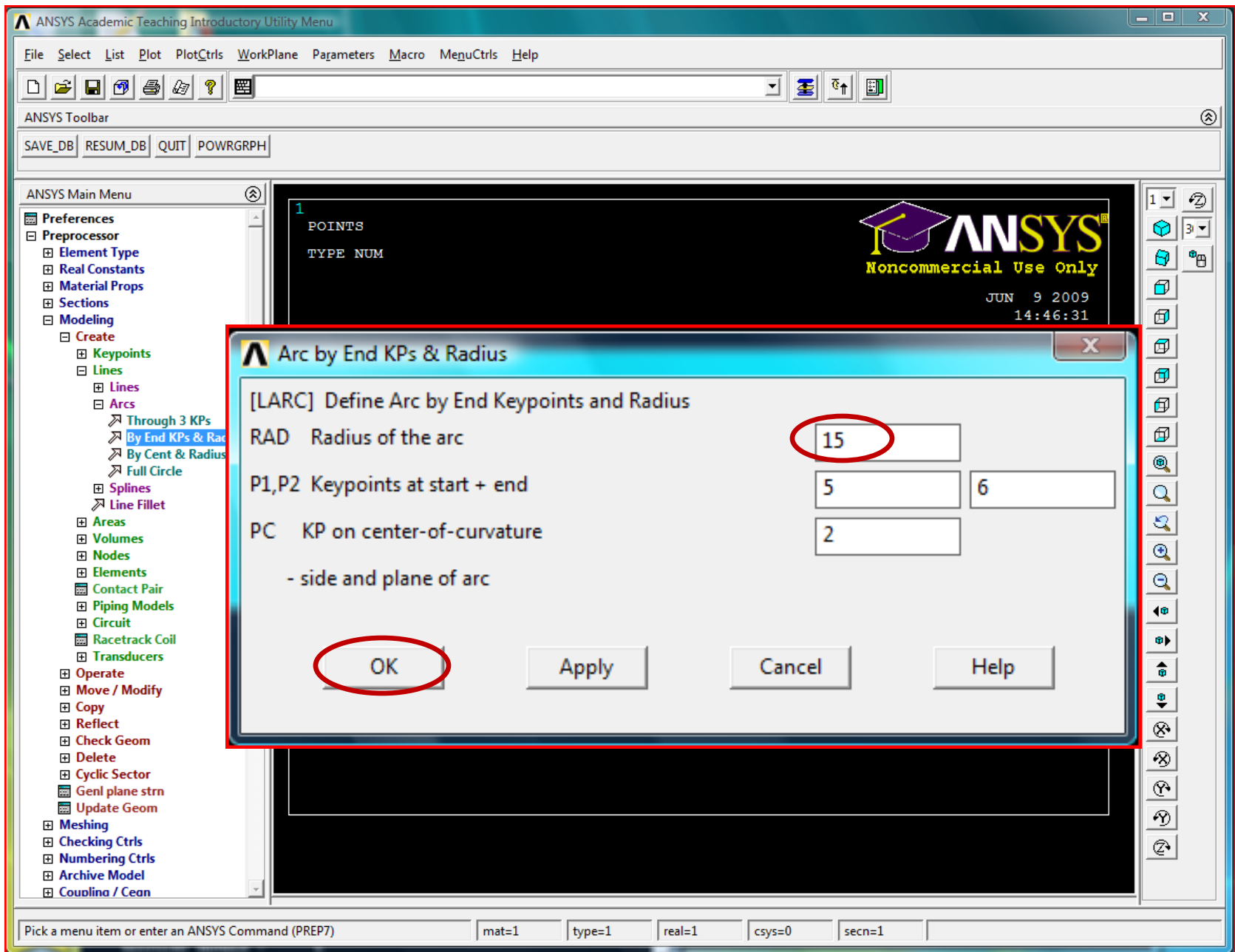


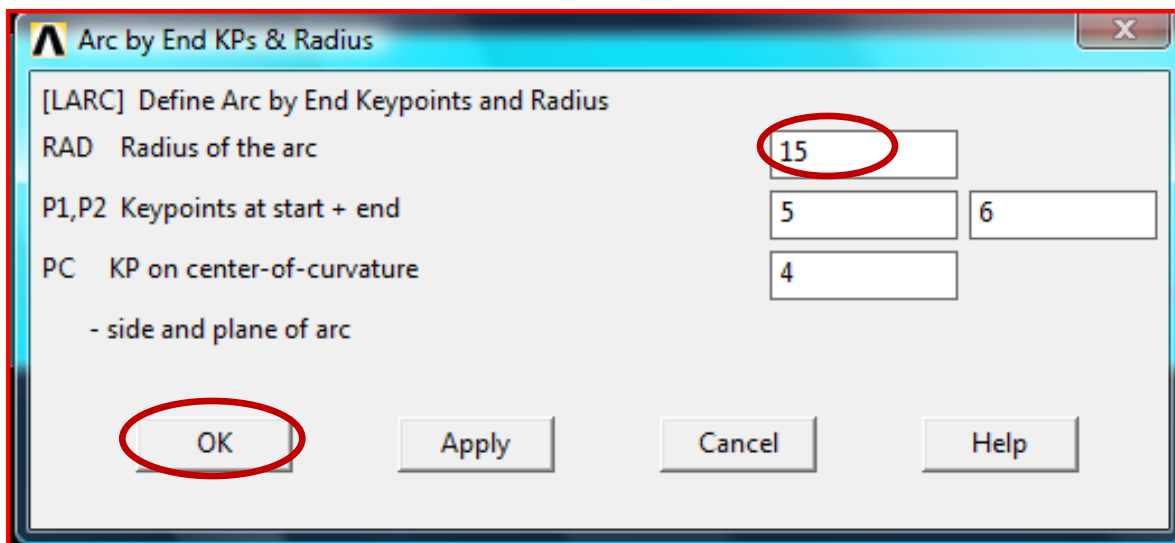


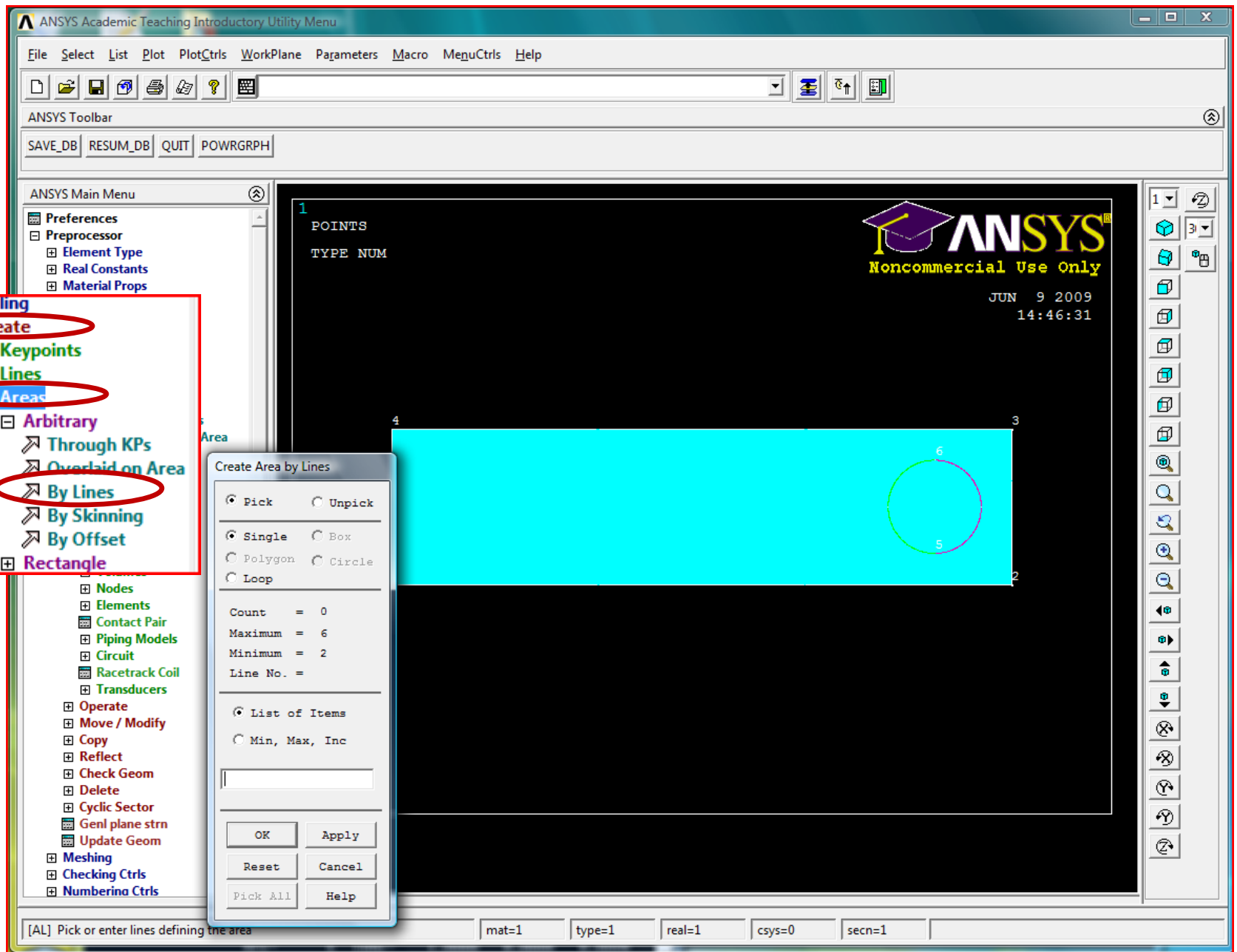


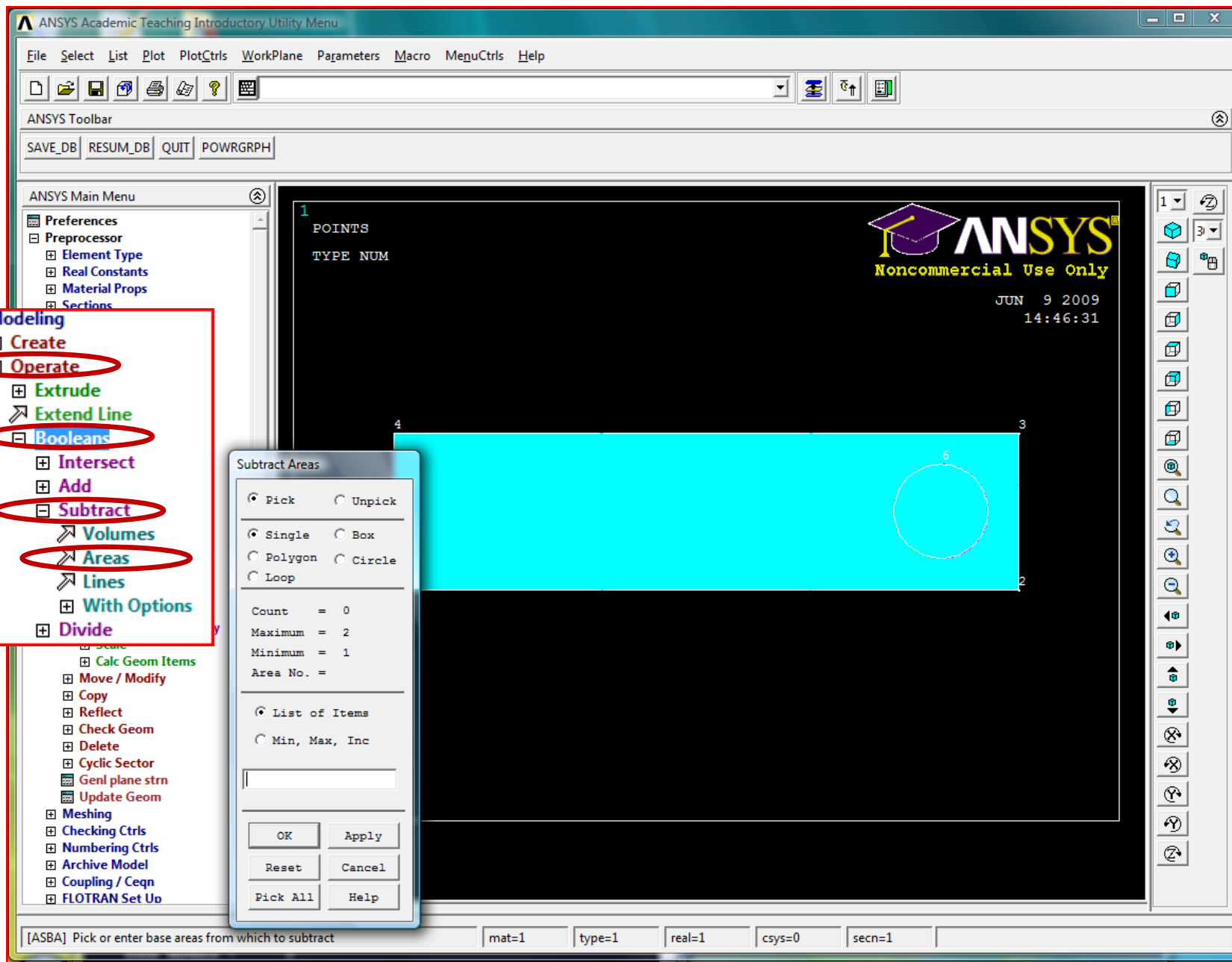


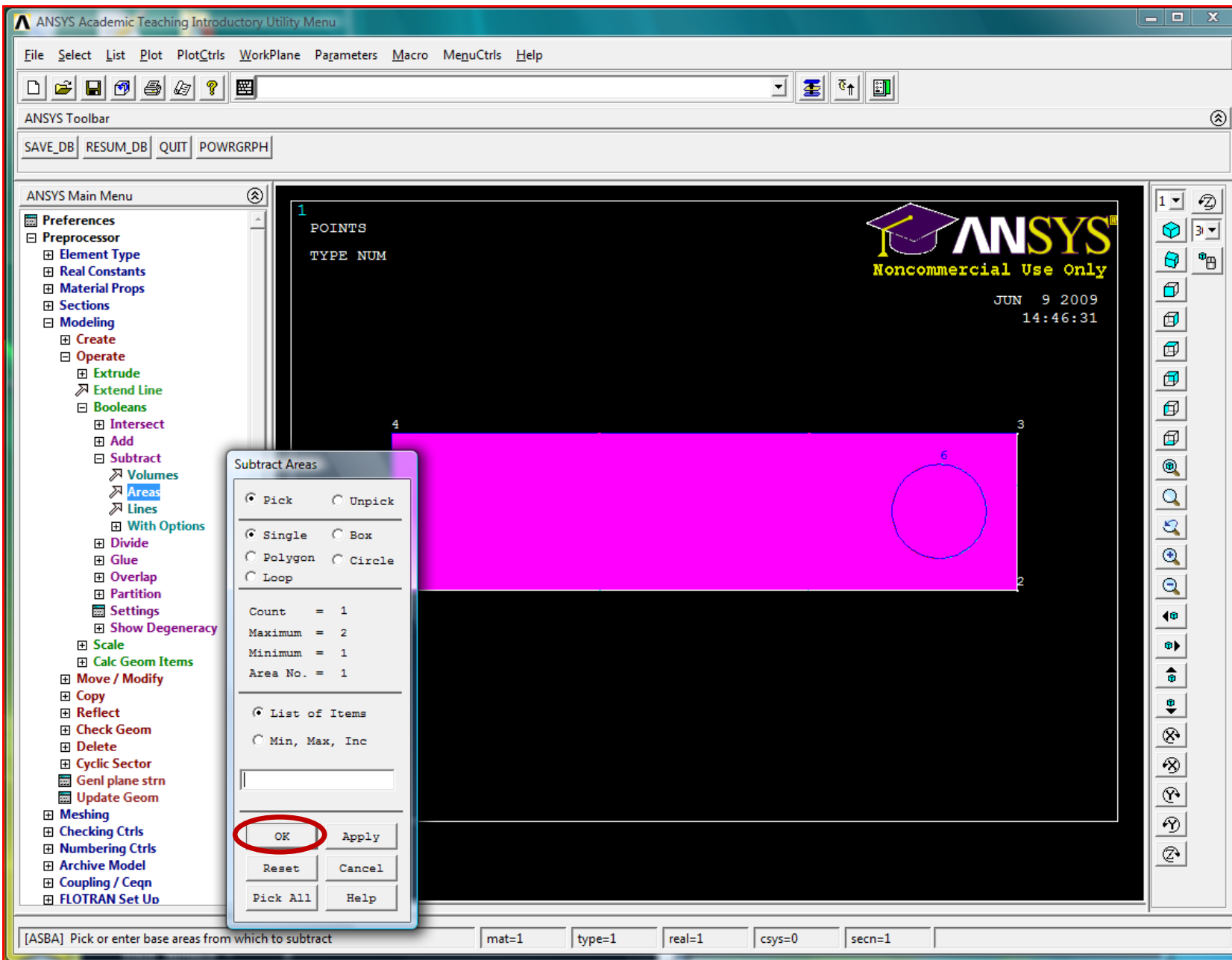


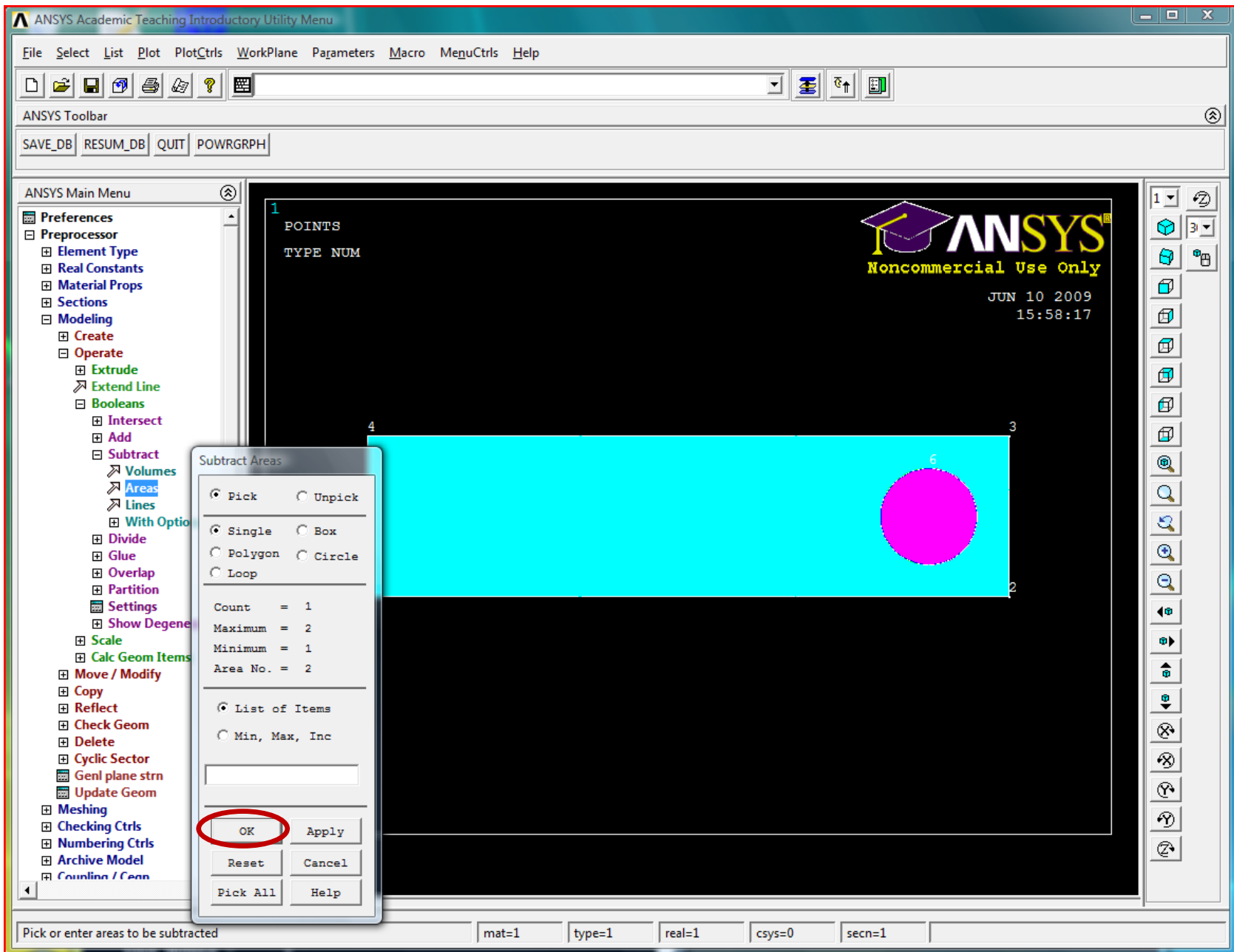


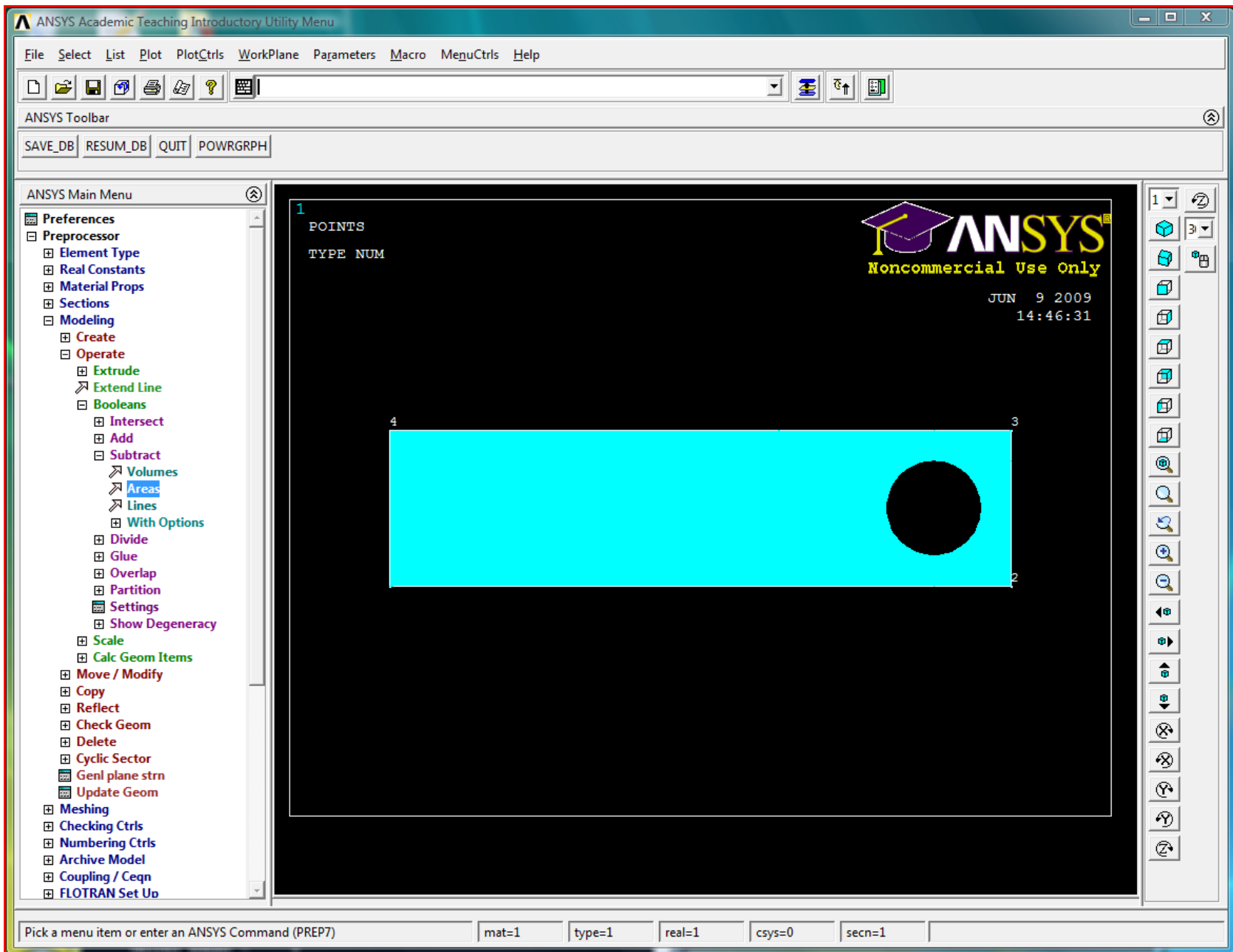


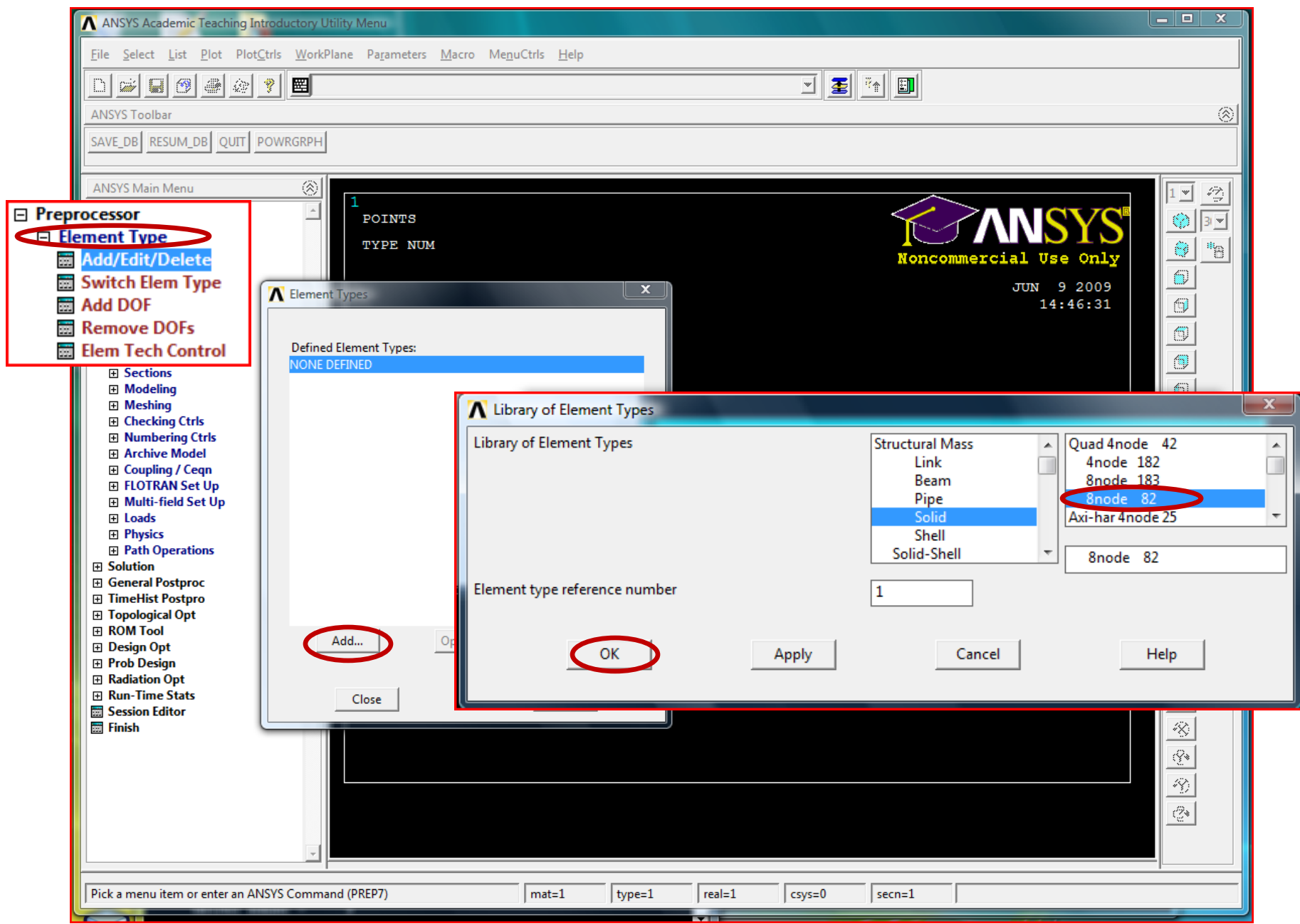


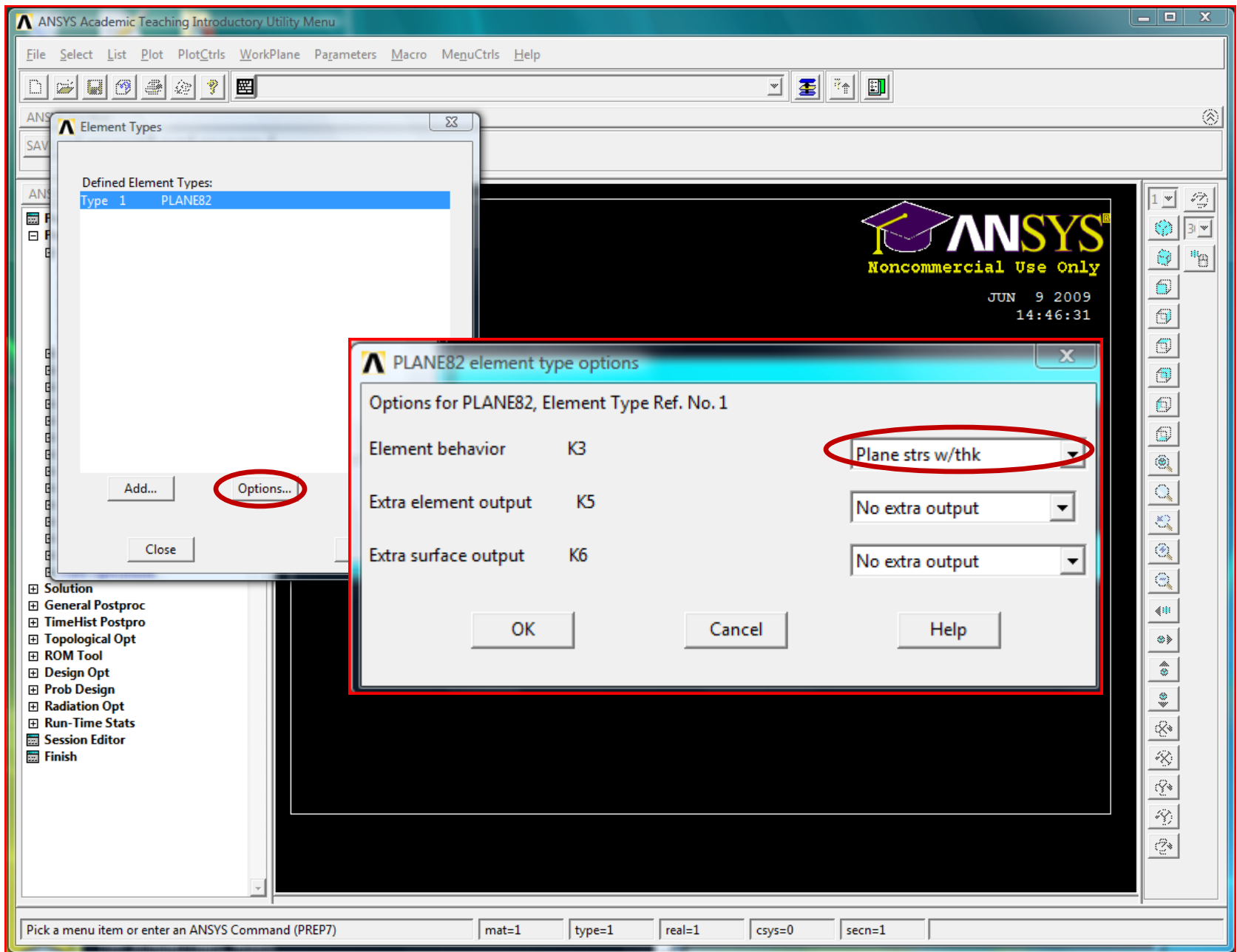


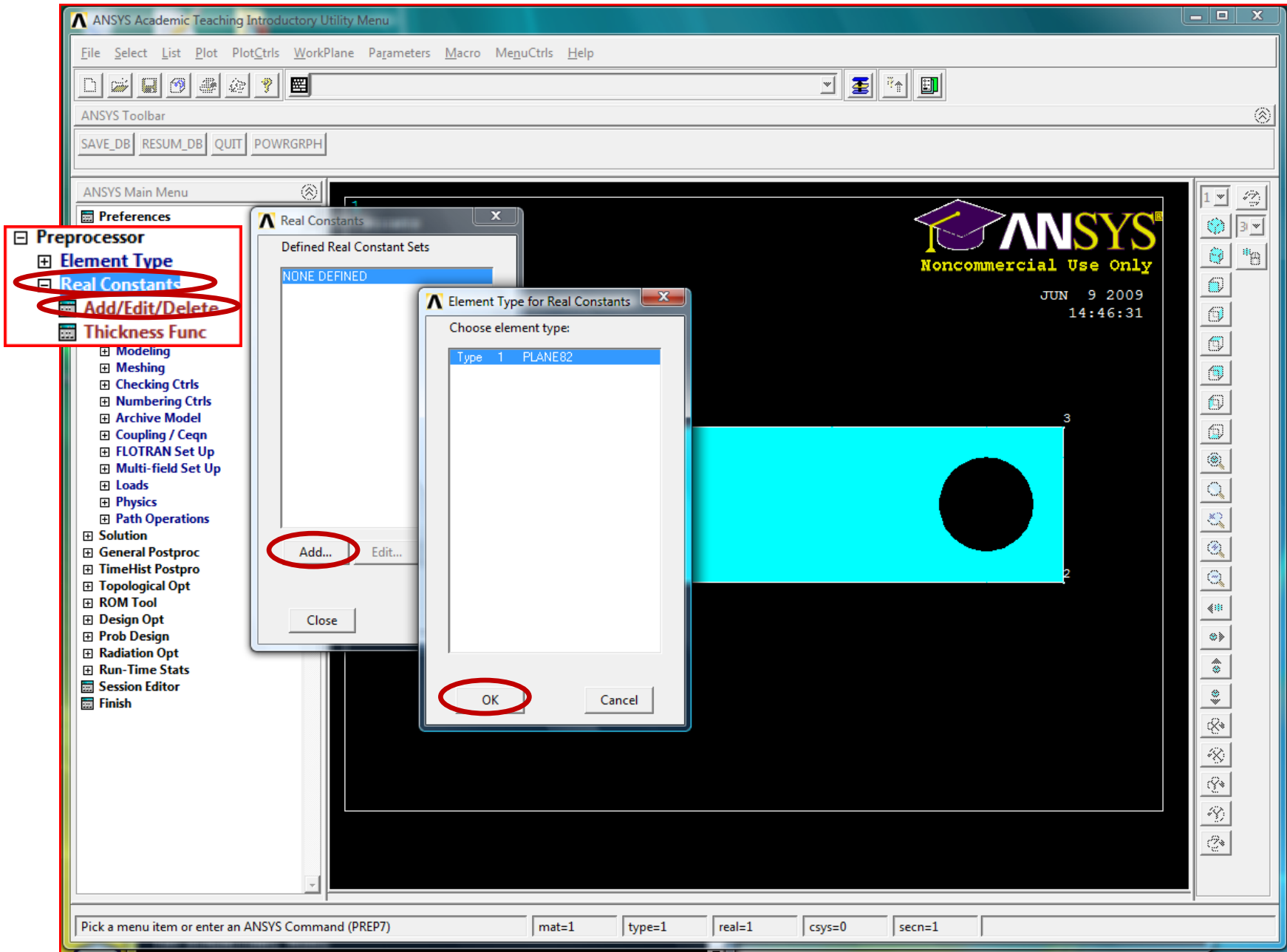


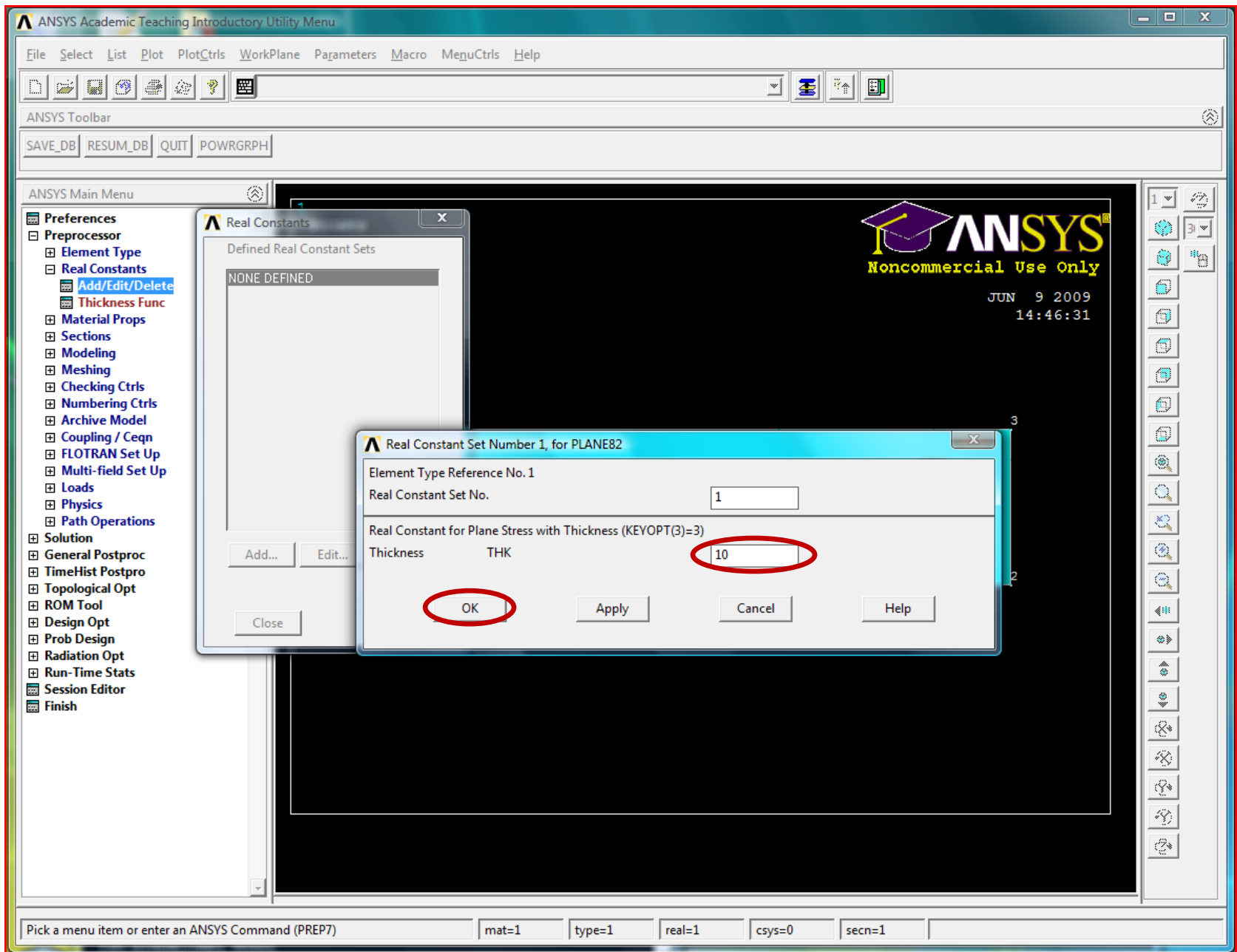


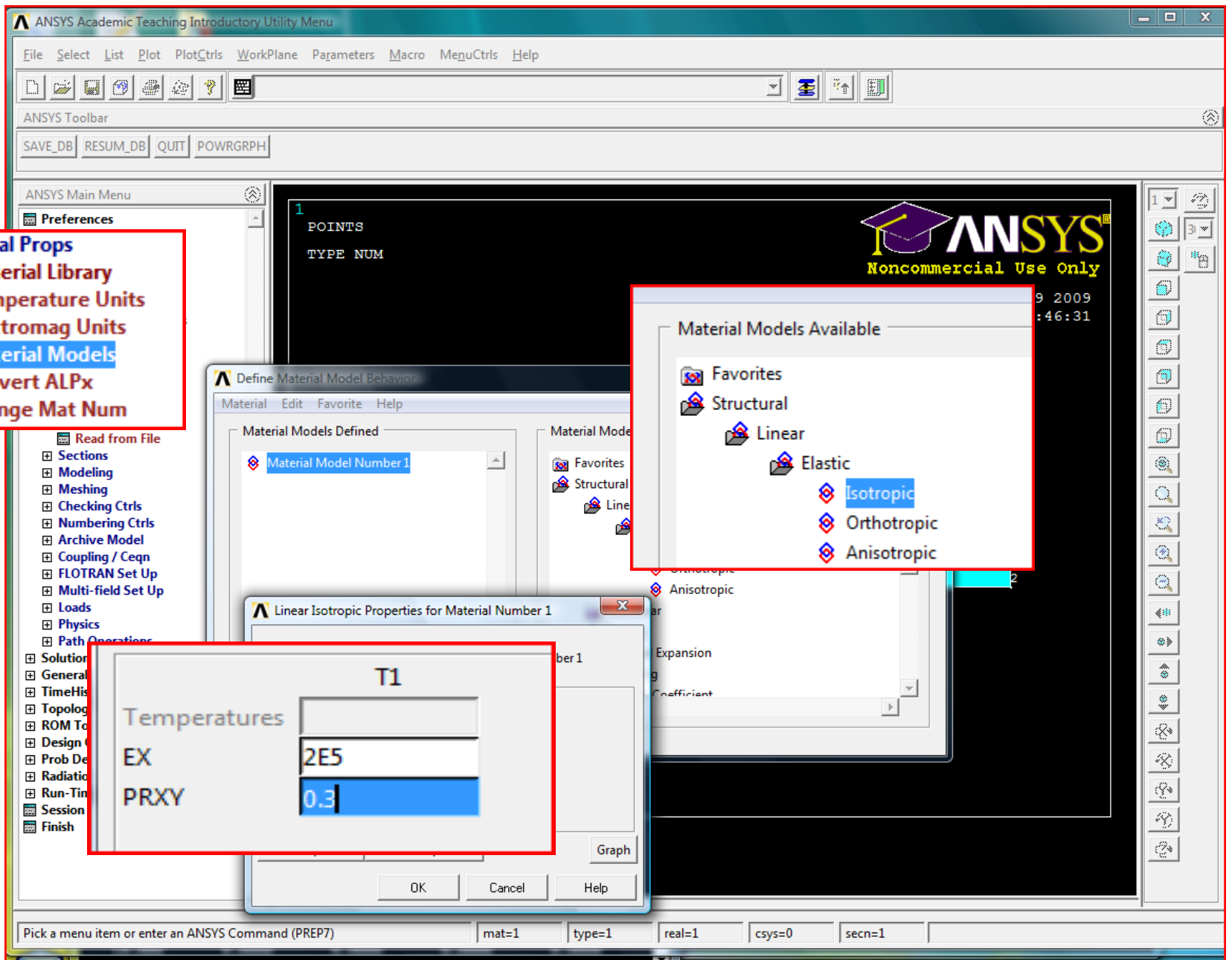


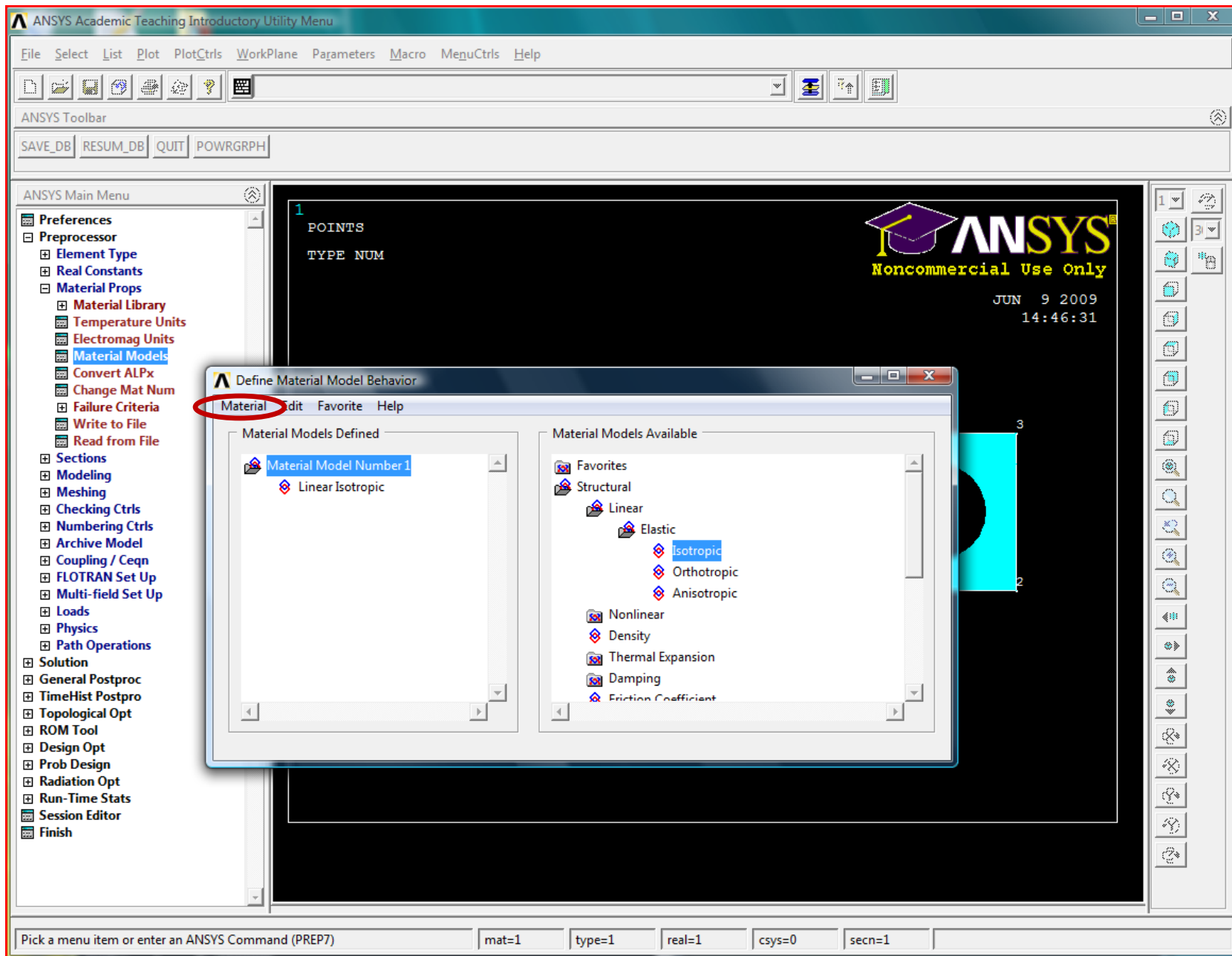


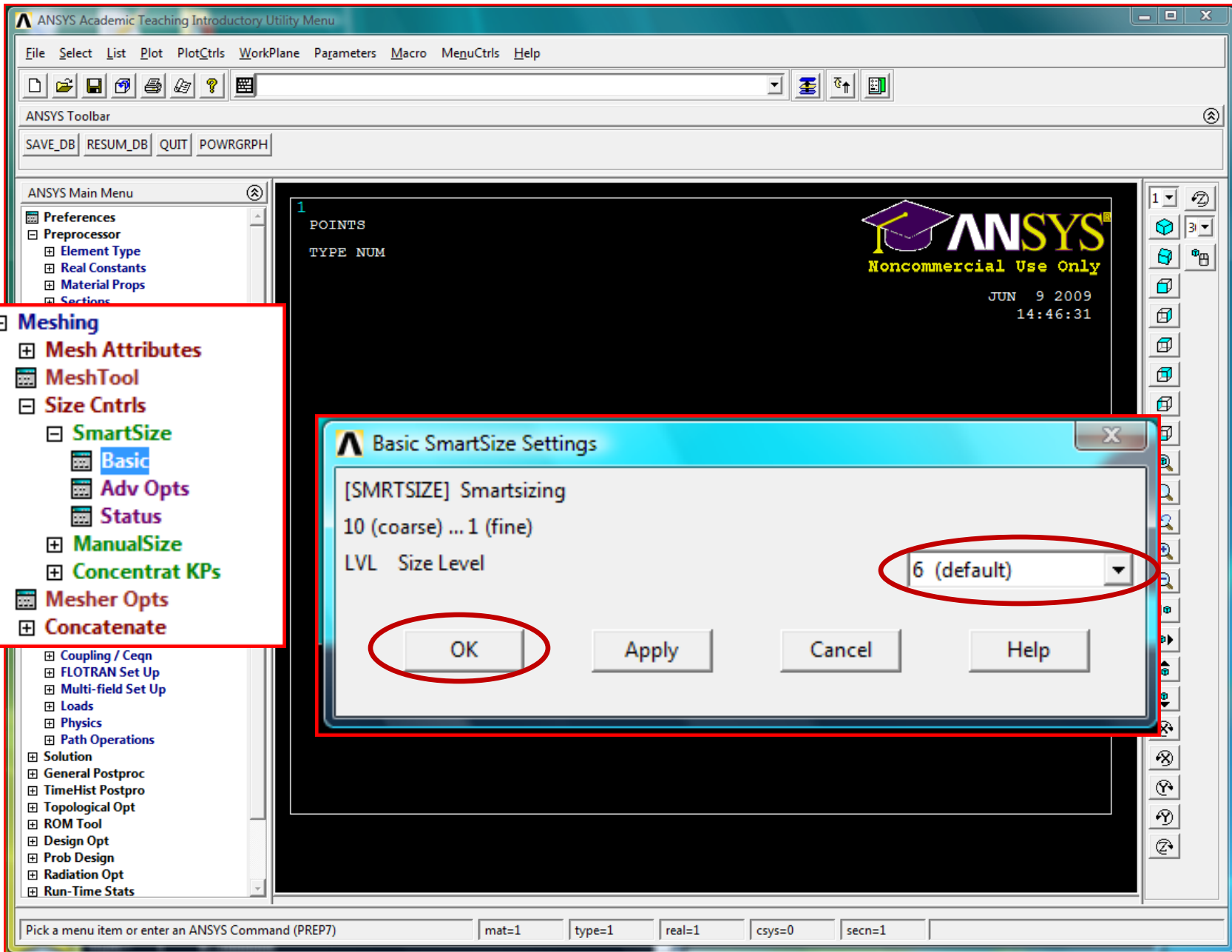


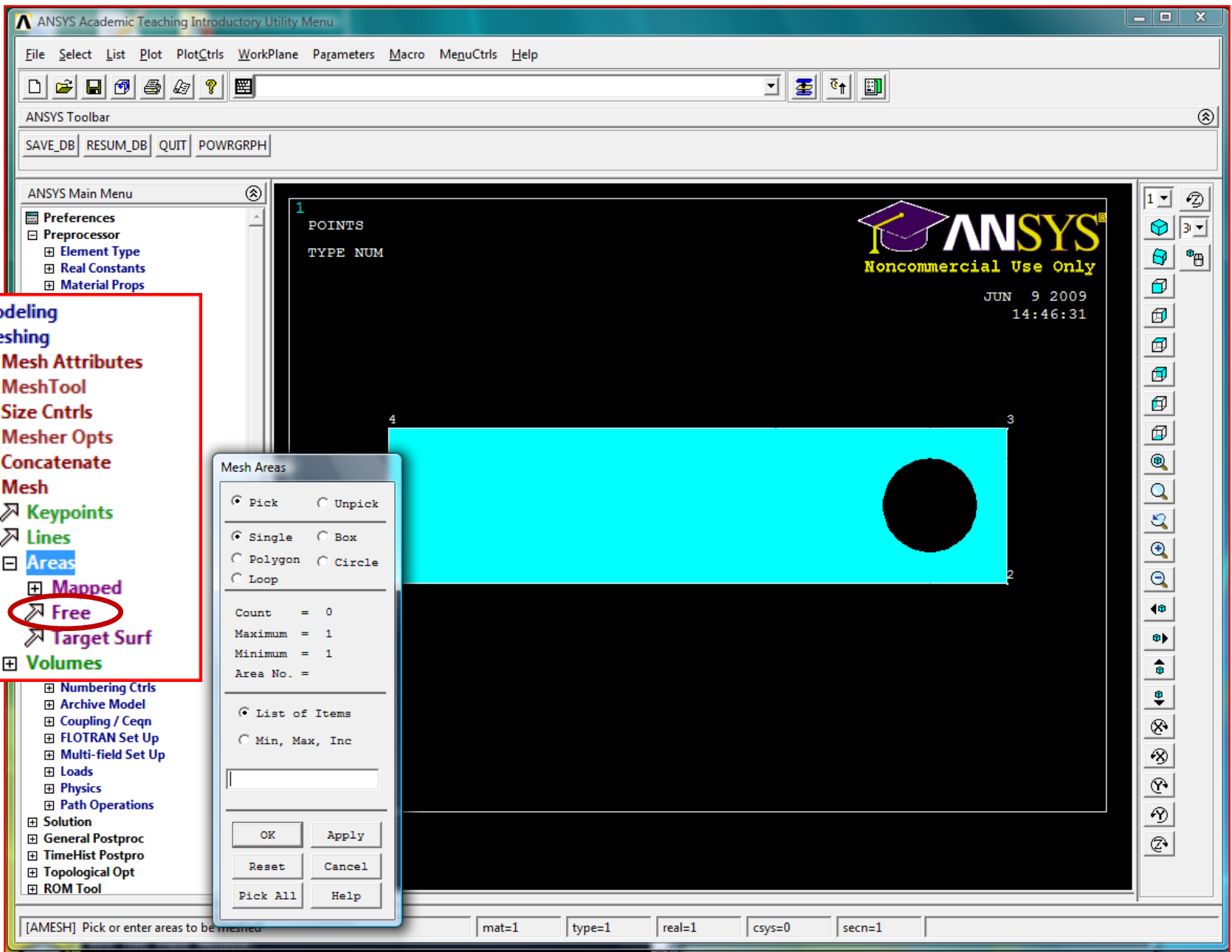


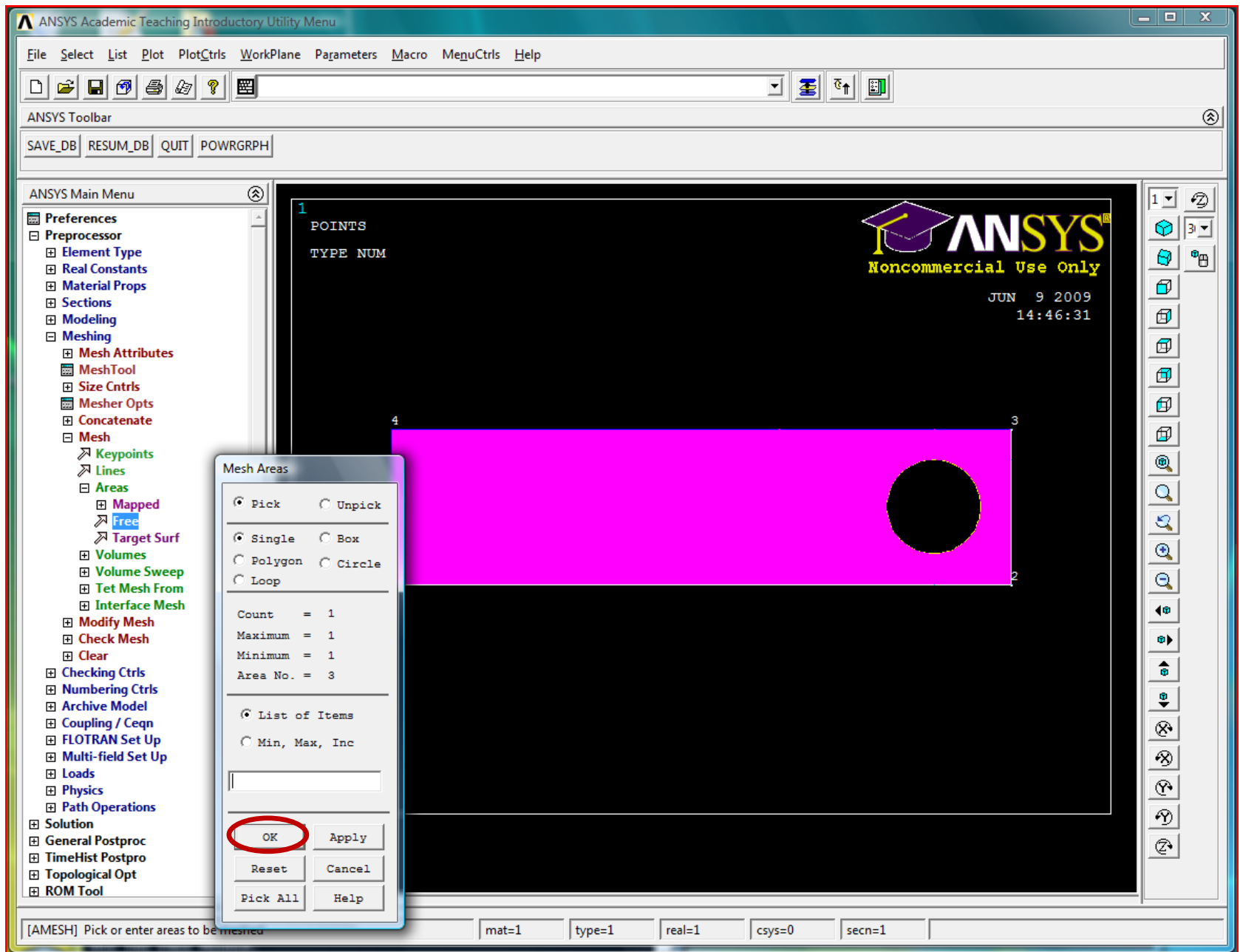


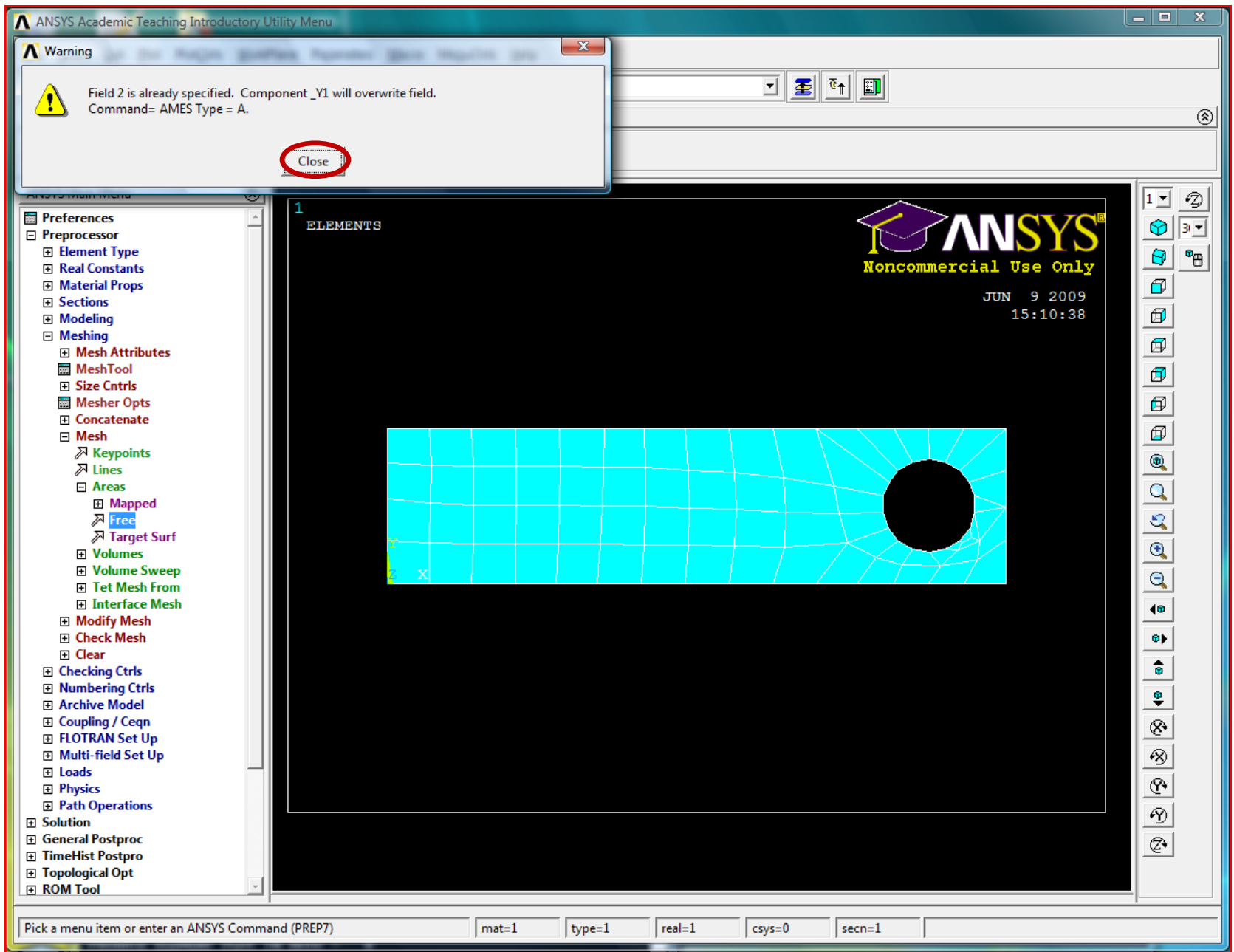


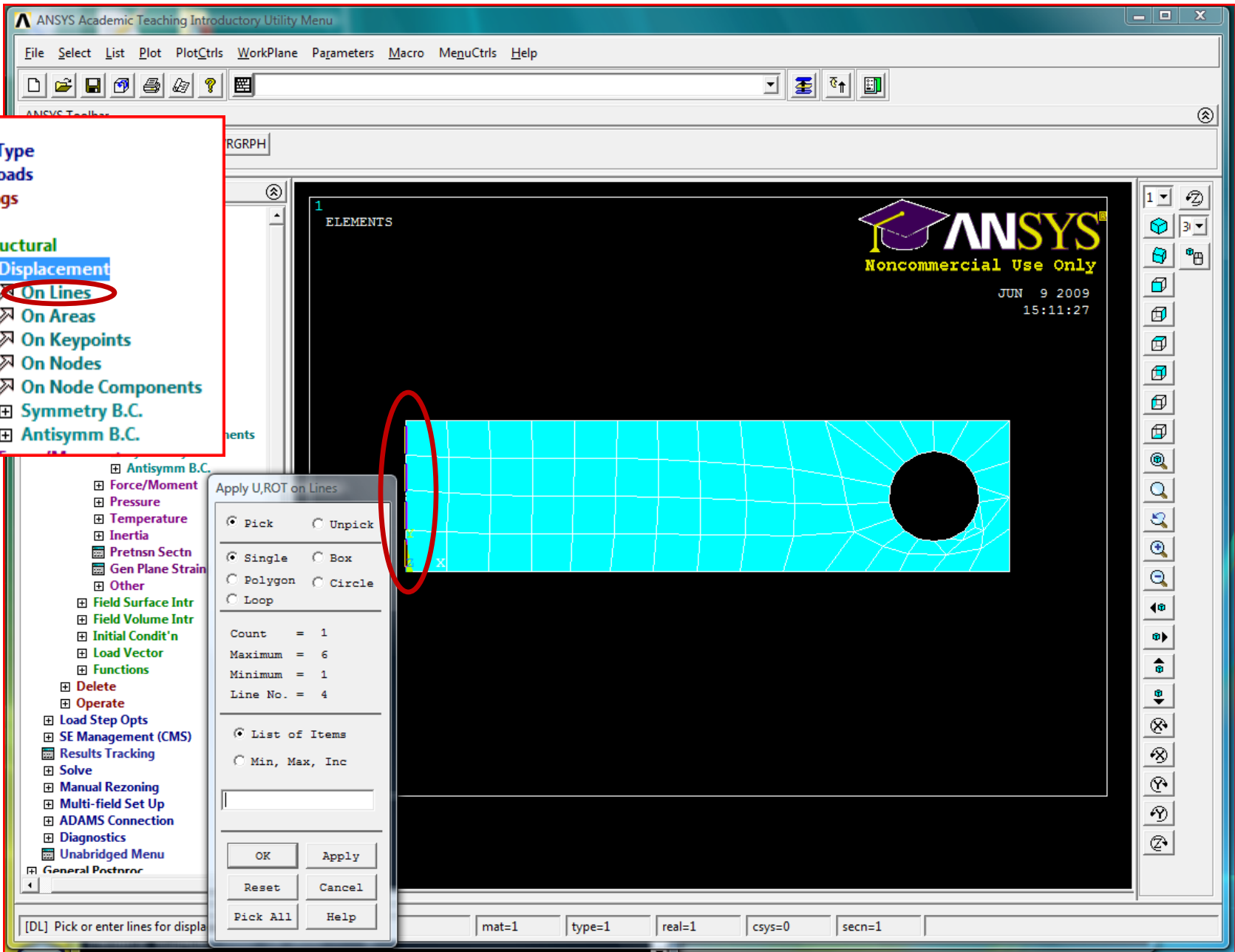




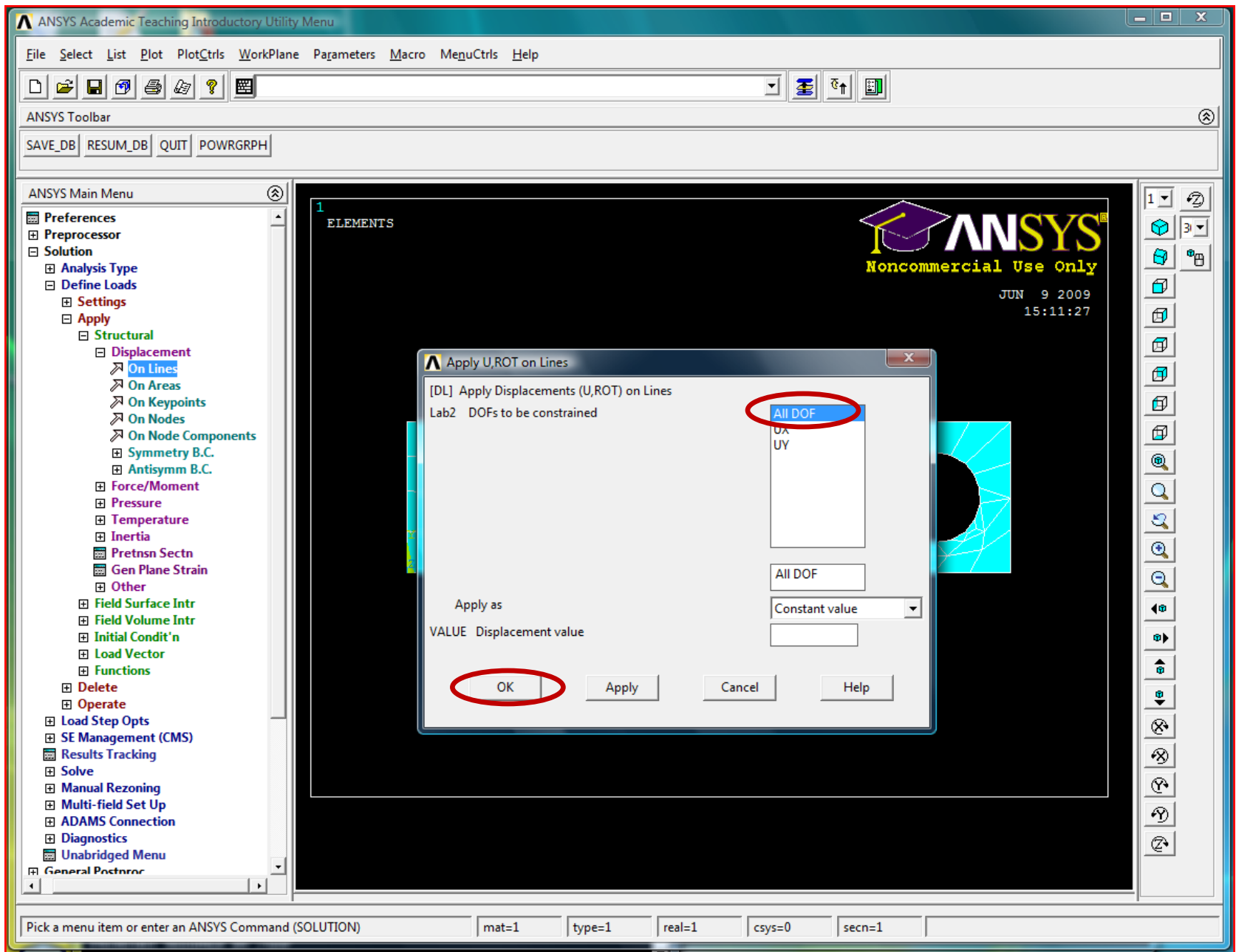


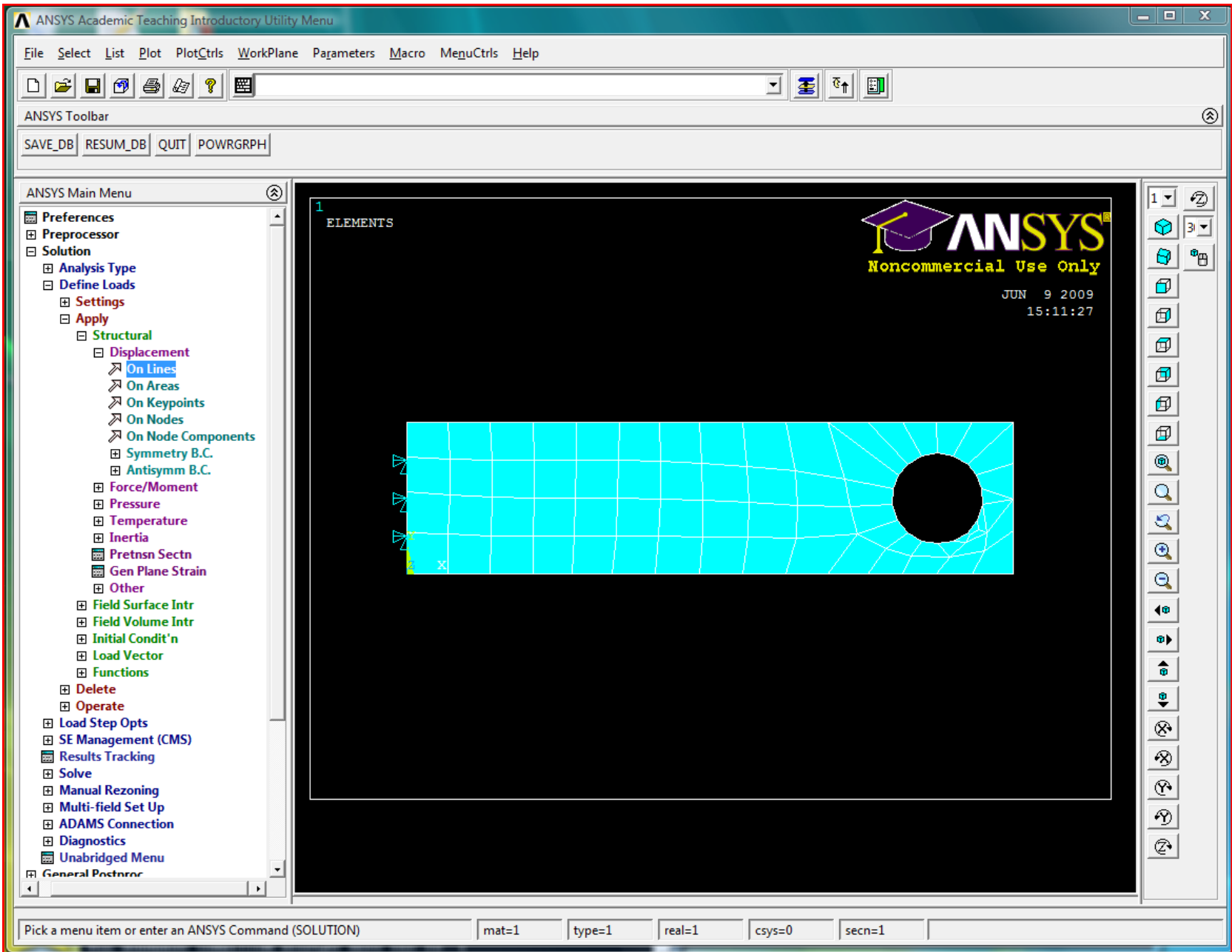


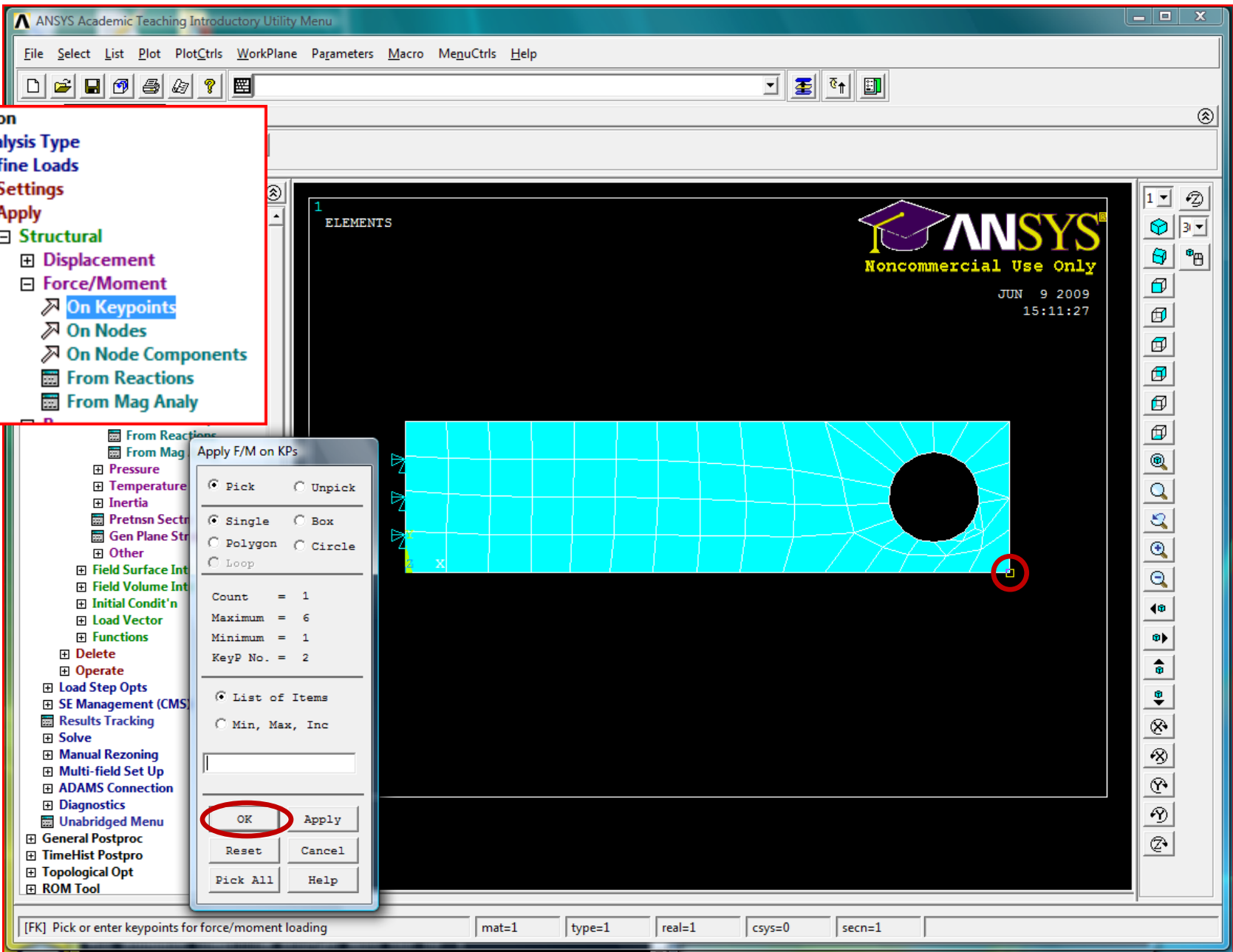


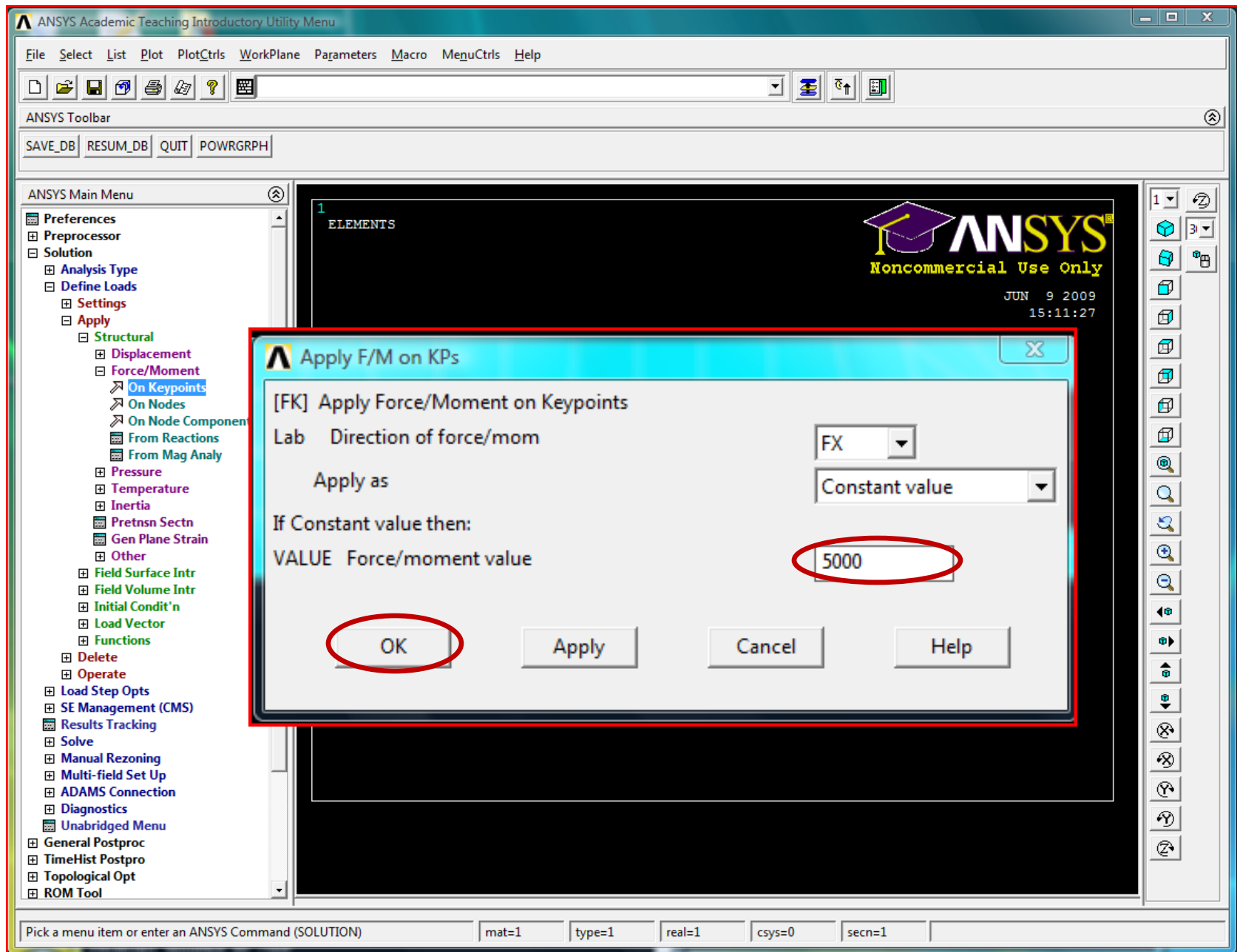


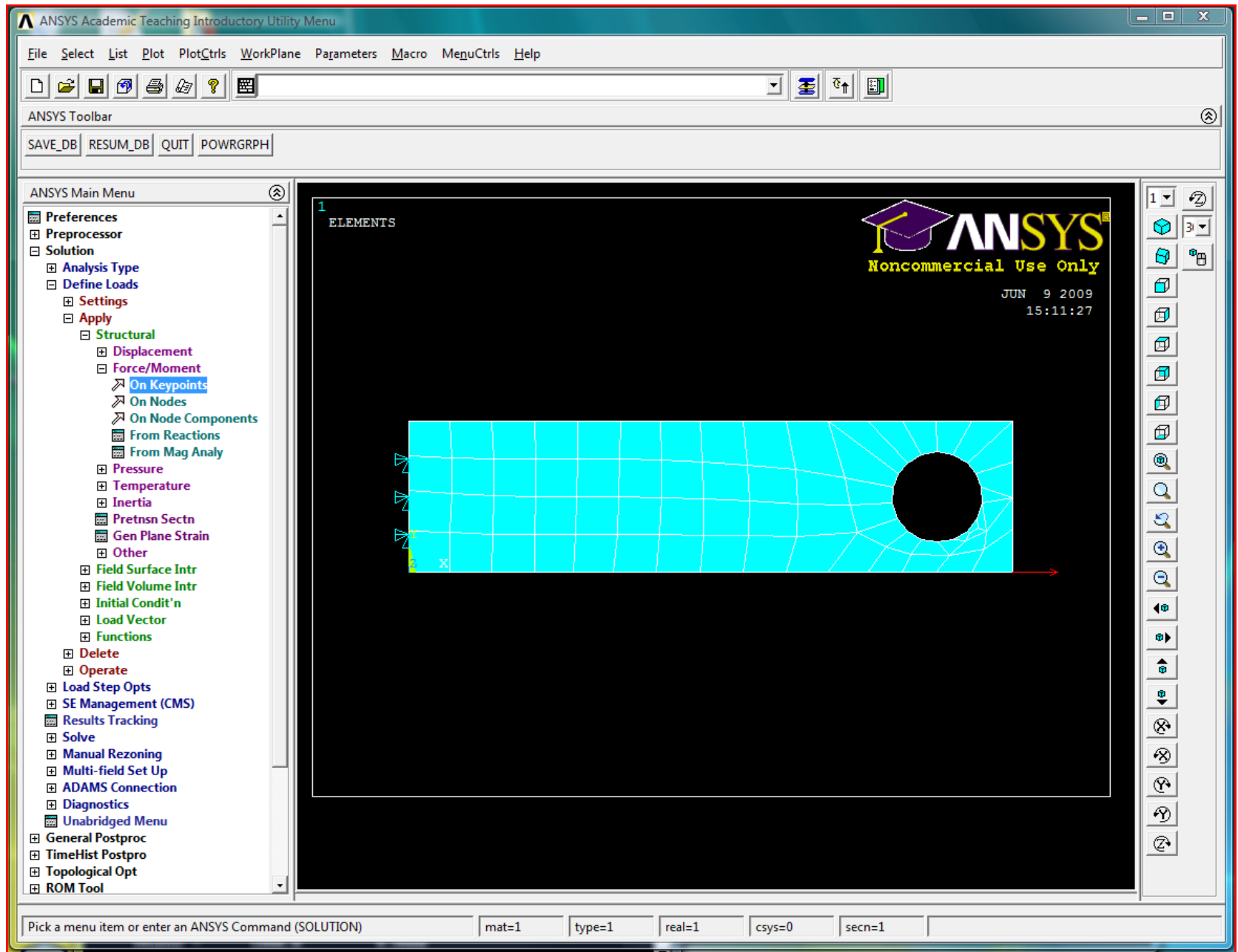
- Solution
 - Analysis Type
 - Define Loads
 - Settings
 - Apply
 - Structural
 - Displacement
 - On Lines
 - On Areas
 - On Keypoints
 - On Nodes
 - On Node Components
 - Symmetry B.C.
 - Antisymm B.C.

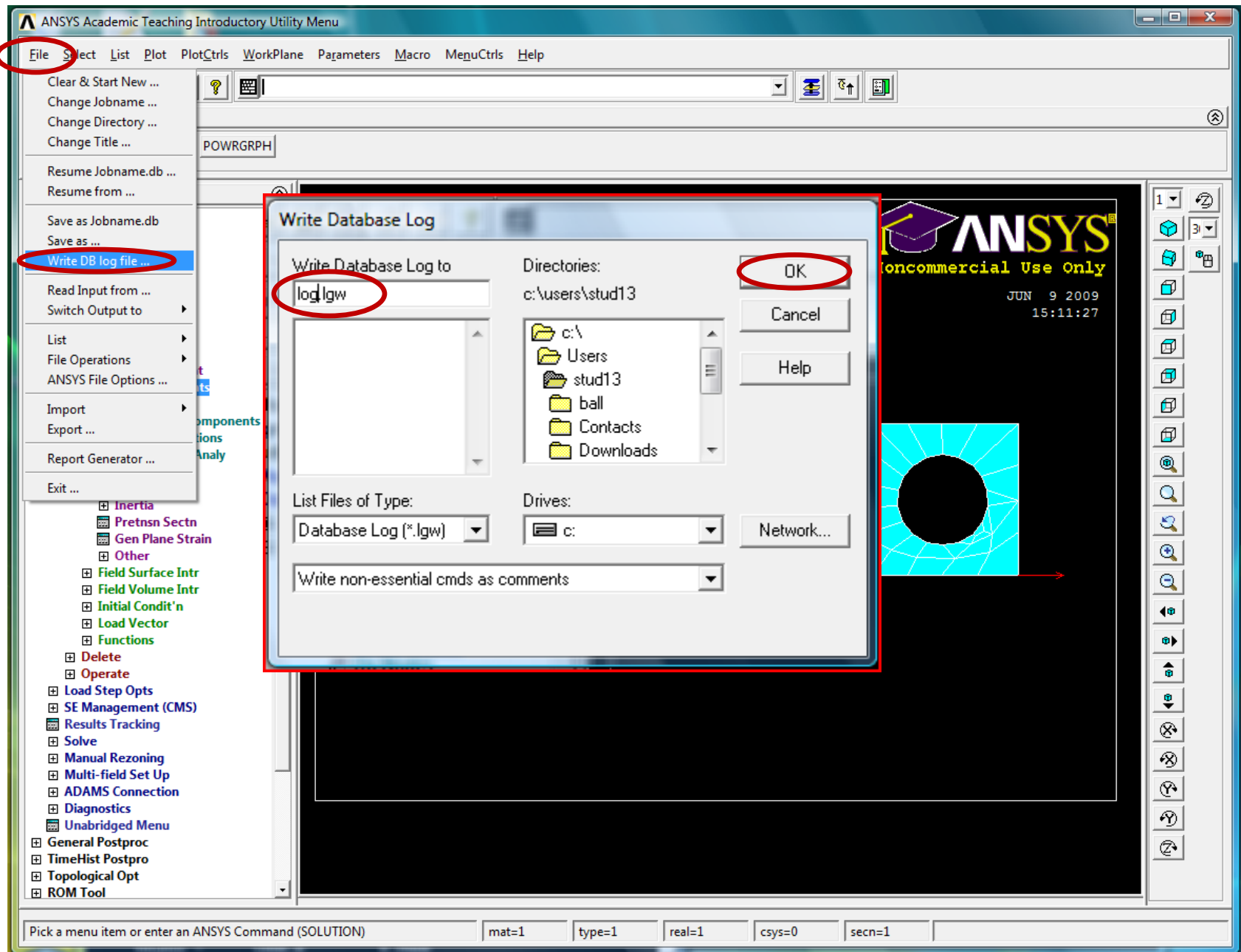


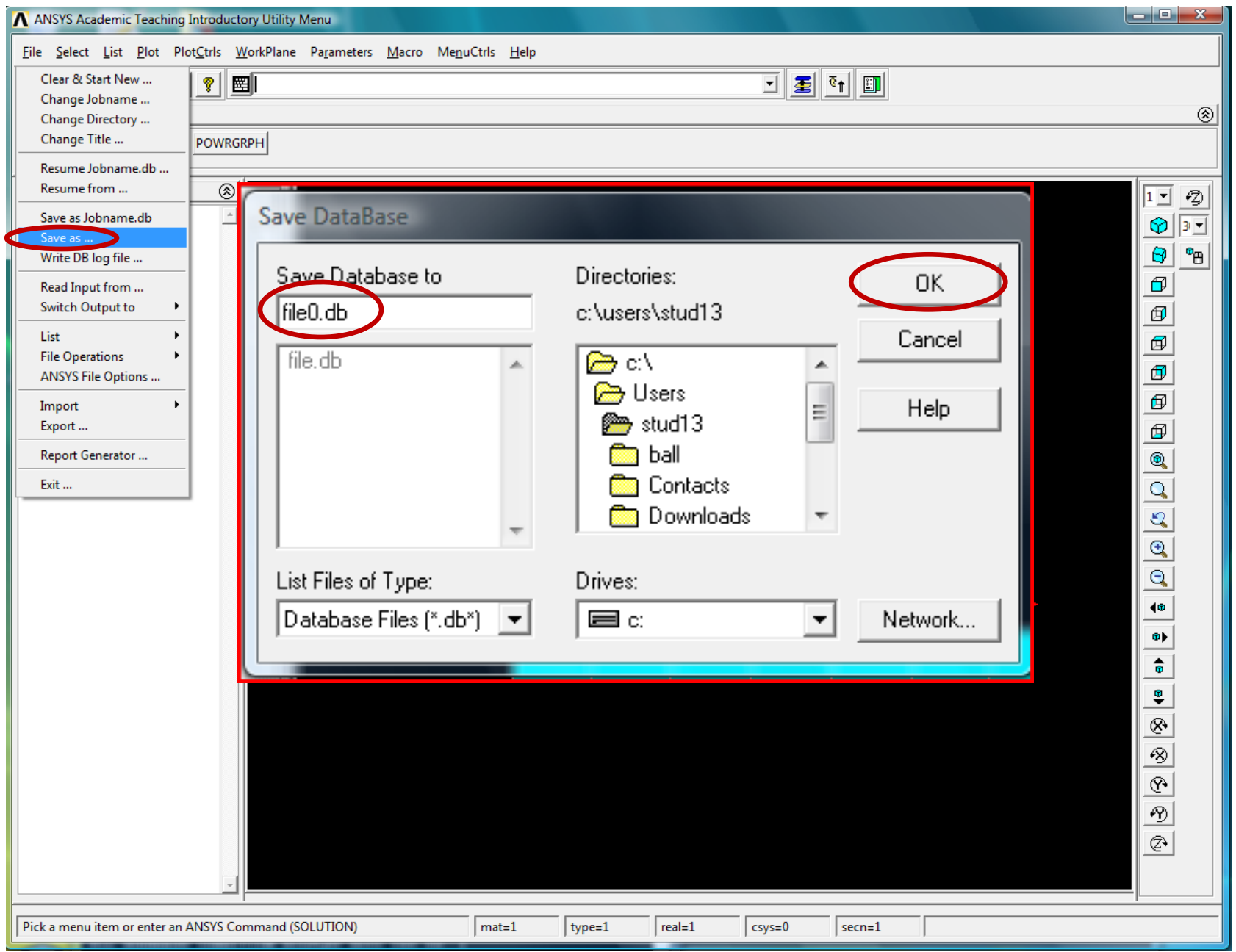


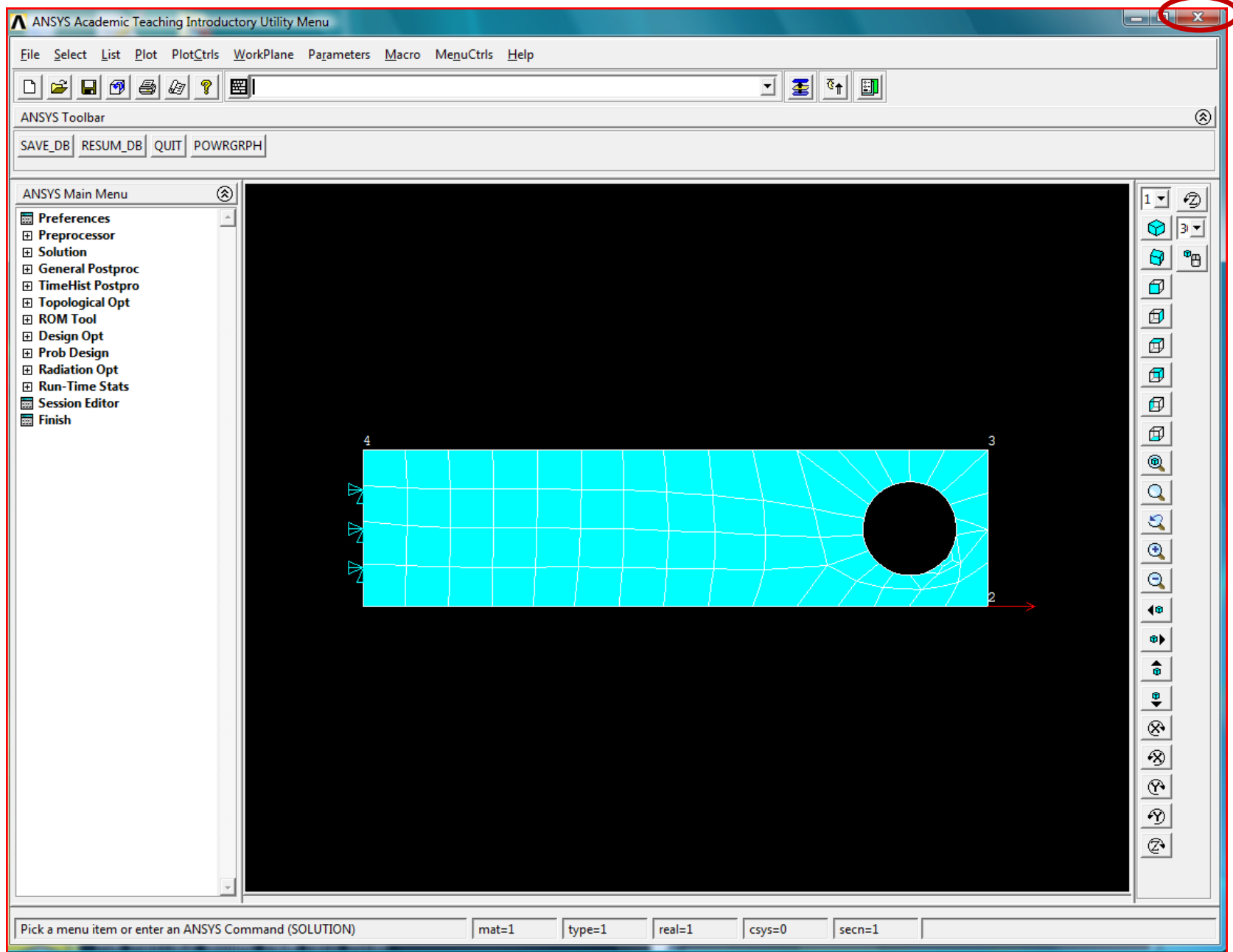


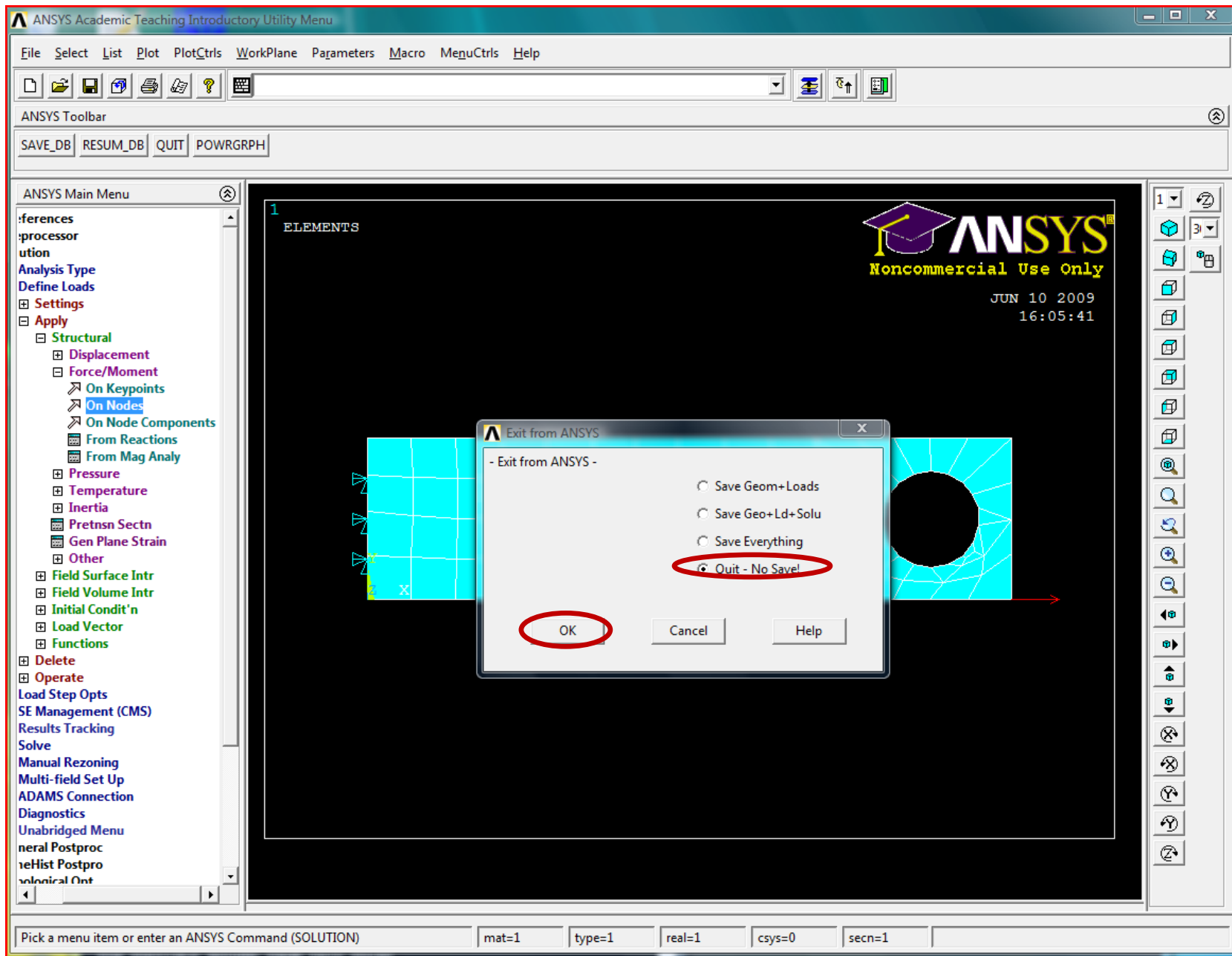


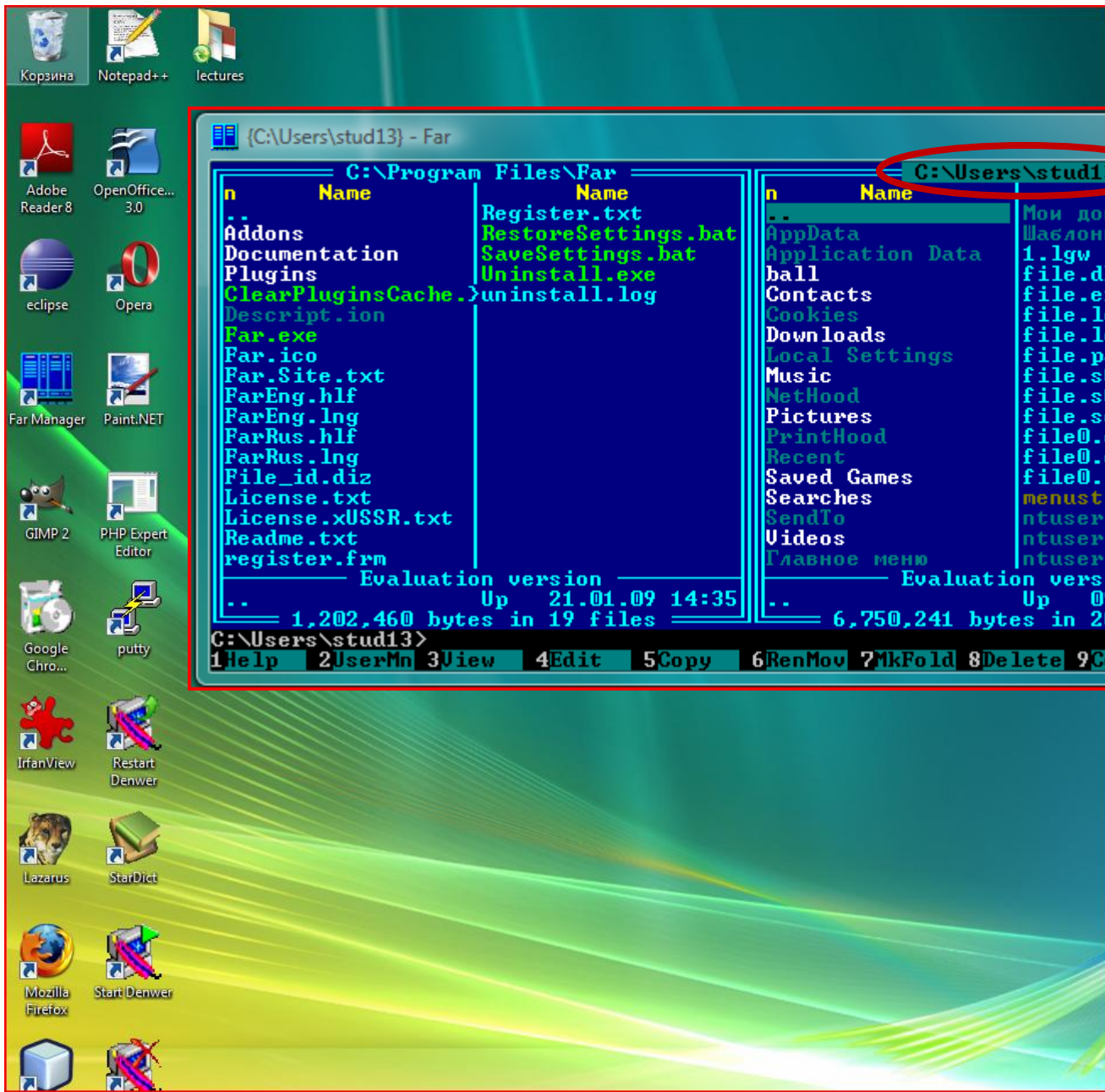


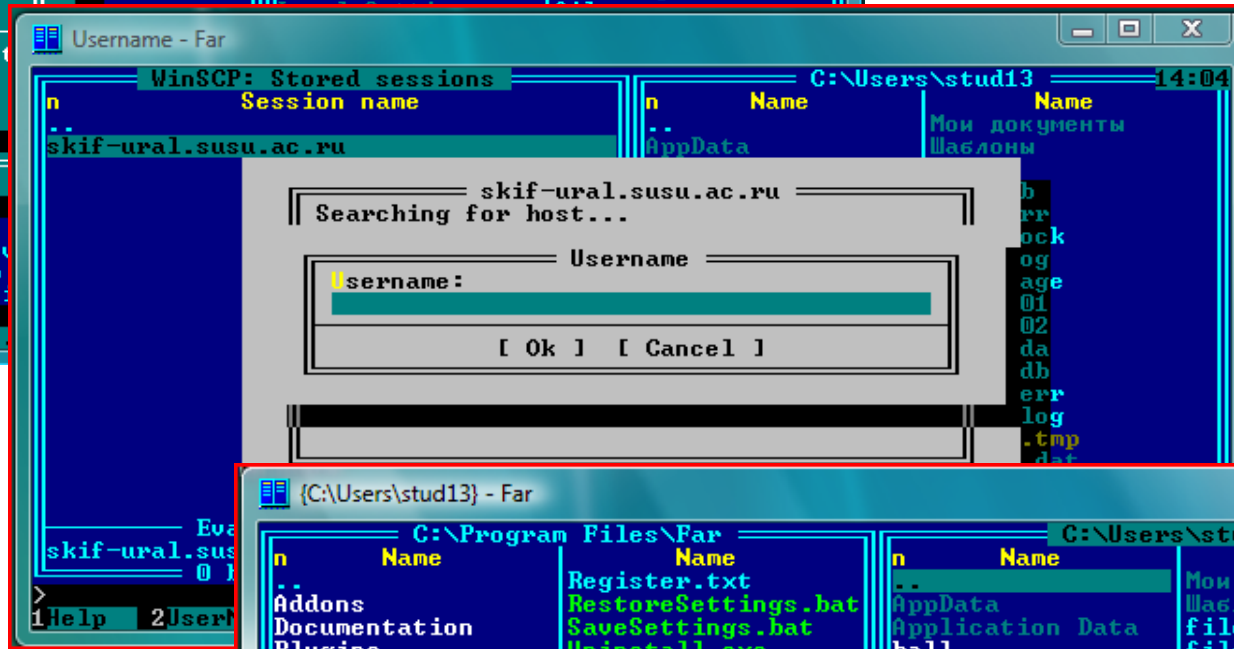
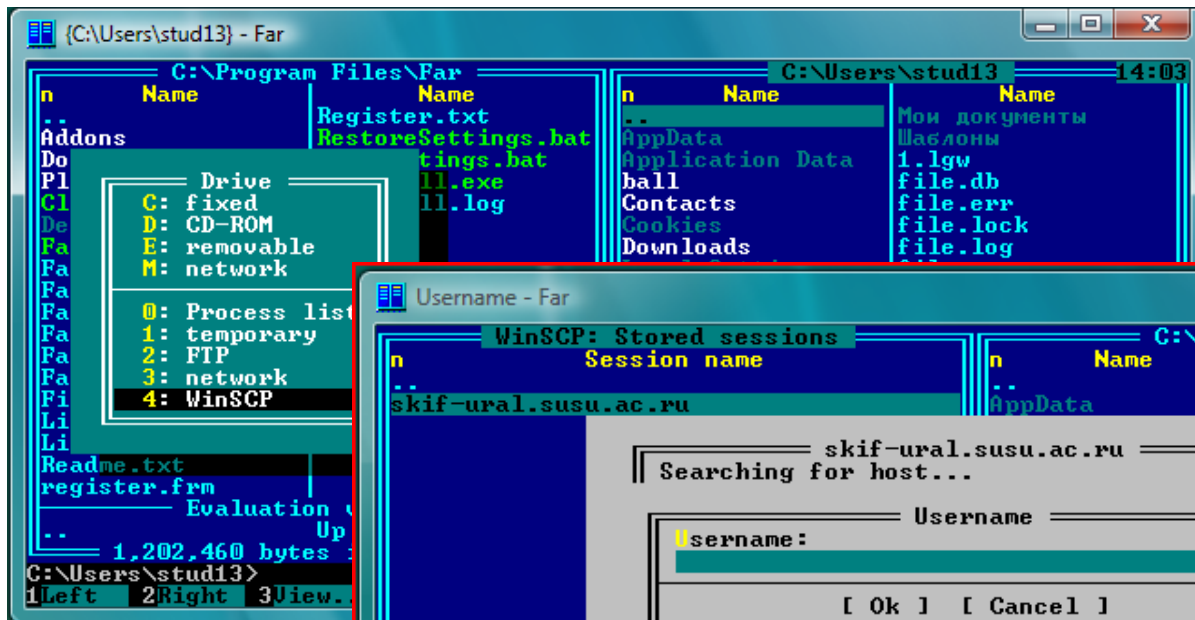




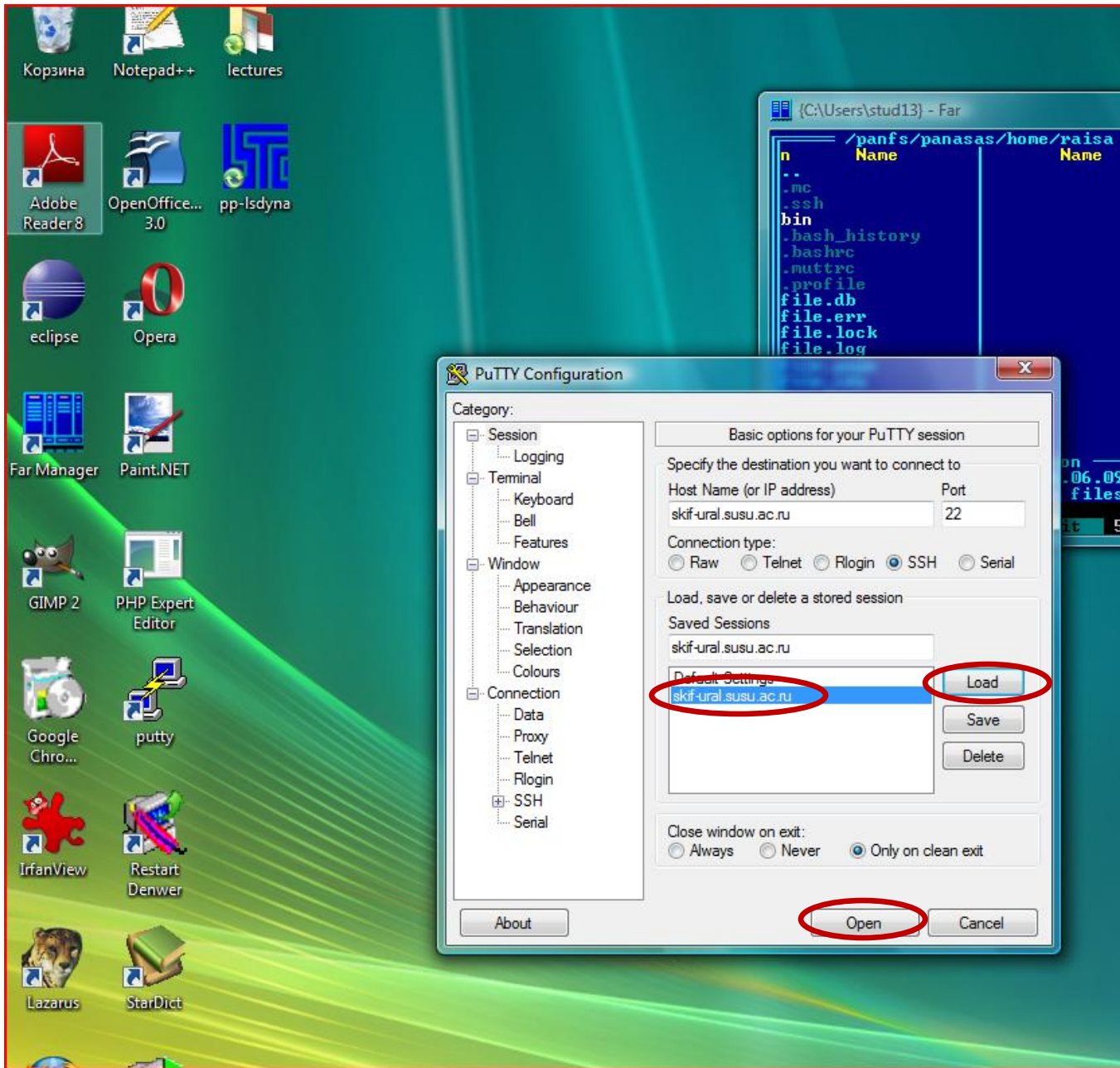






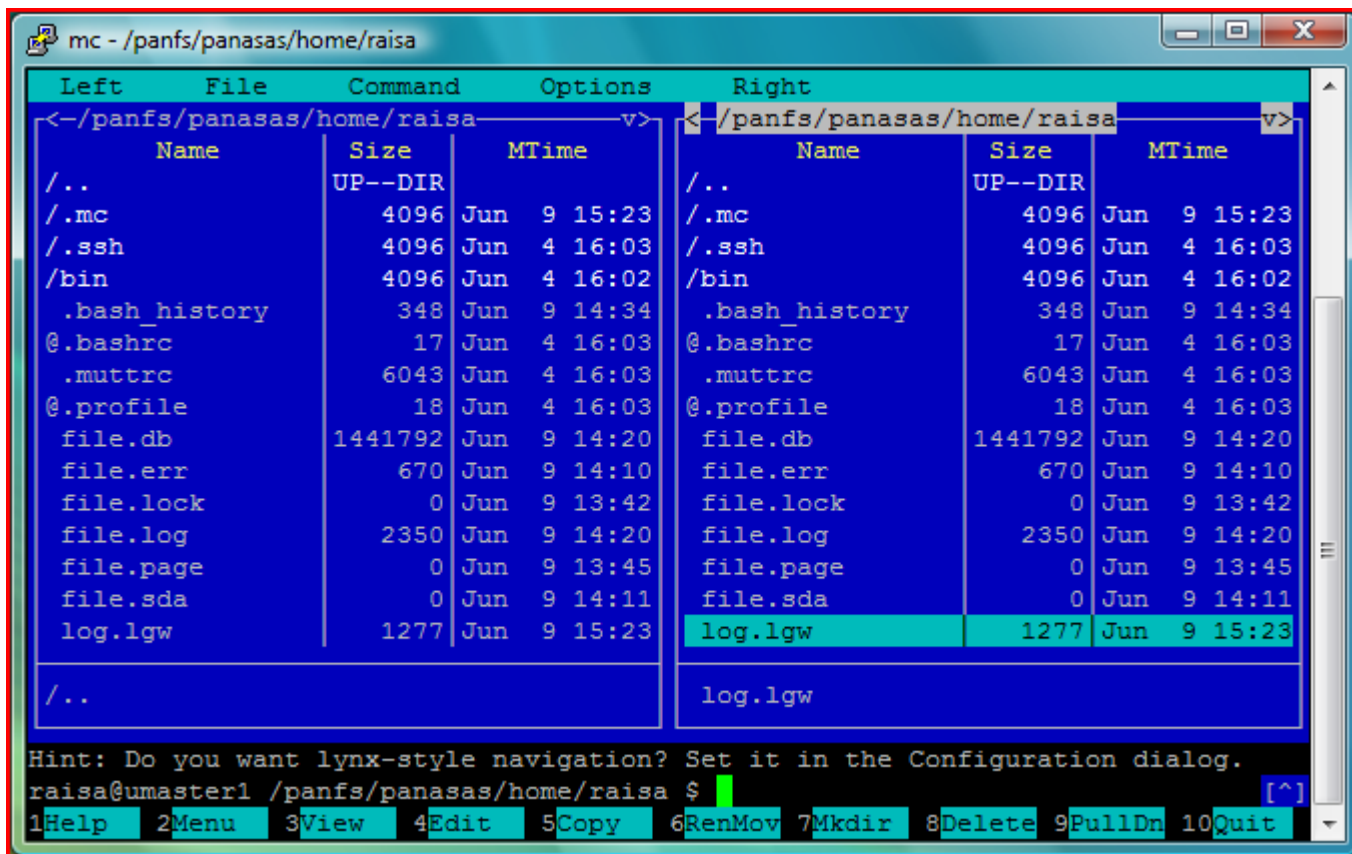







```
skif-ural.susu.ac.ru - PuTTY
login as: raisa
You are welcome to the 'SKIF Ural' cluster of the Southern Ural State University
http://supercomputer.susu.ru, e-mail: supercomputer@susu.ru, phone:(351) 2679089

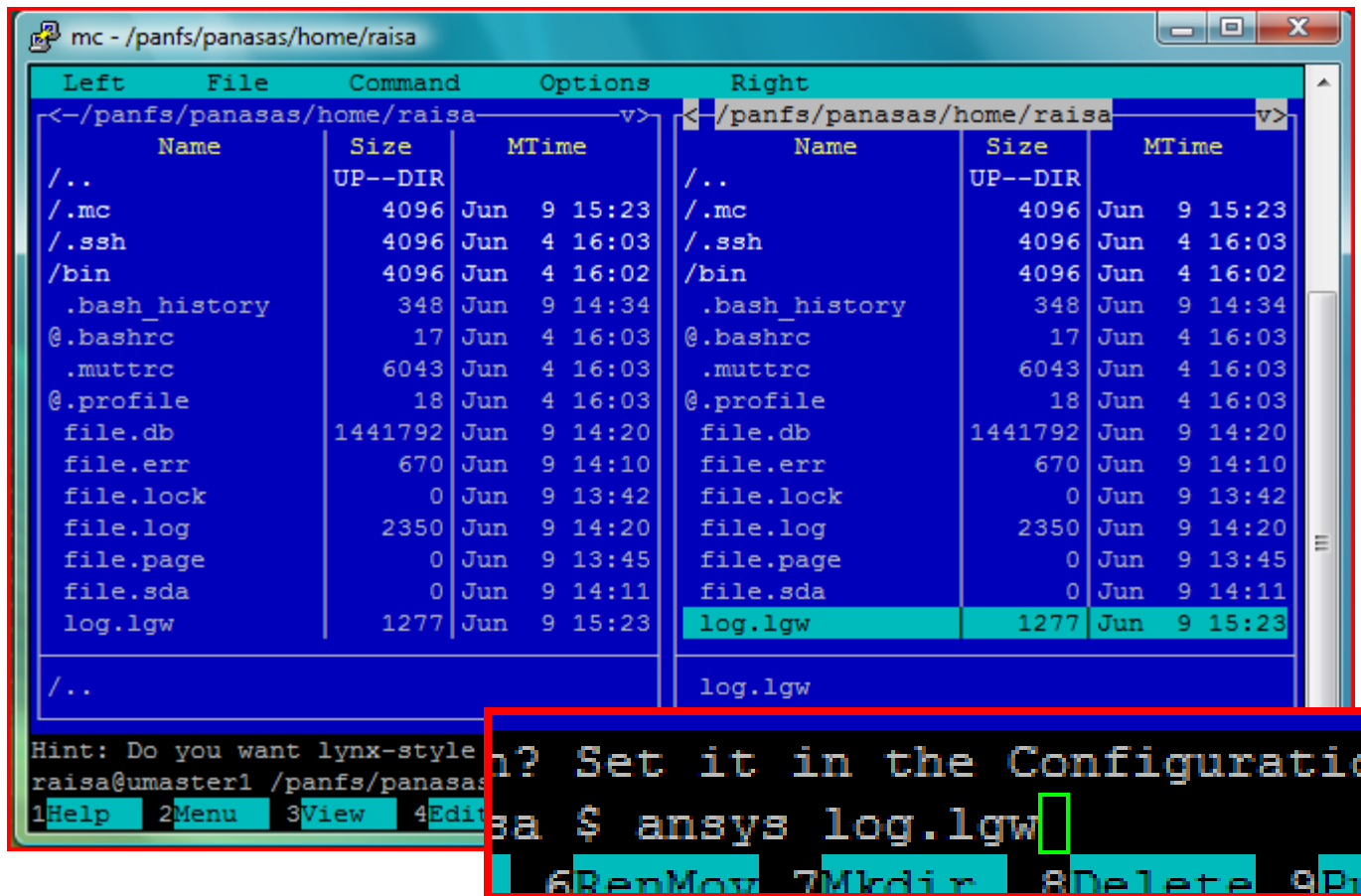
Using keyboard-interactive authentication.
Password:
Last login: Tue Jun  9 14:18:51 2009 from mim1.mim.susu.ac.ru
raisa@umaster1 ~ $ mc
```



Нажать: F4

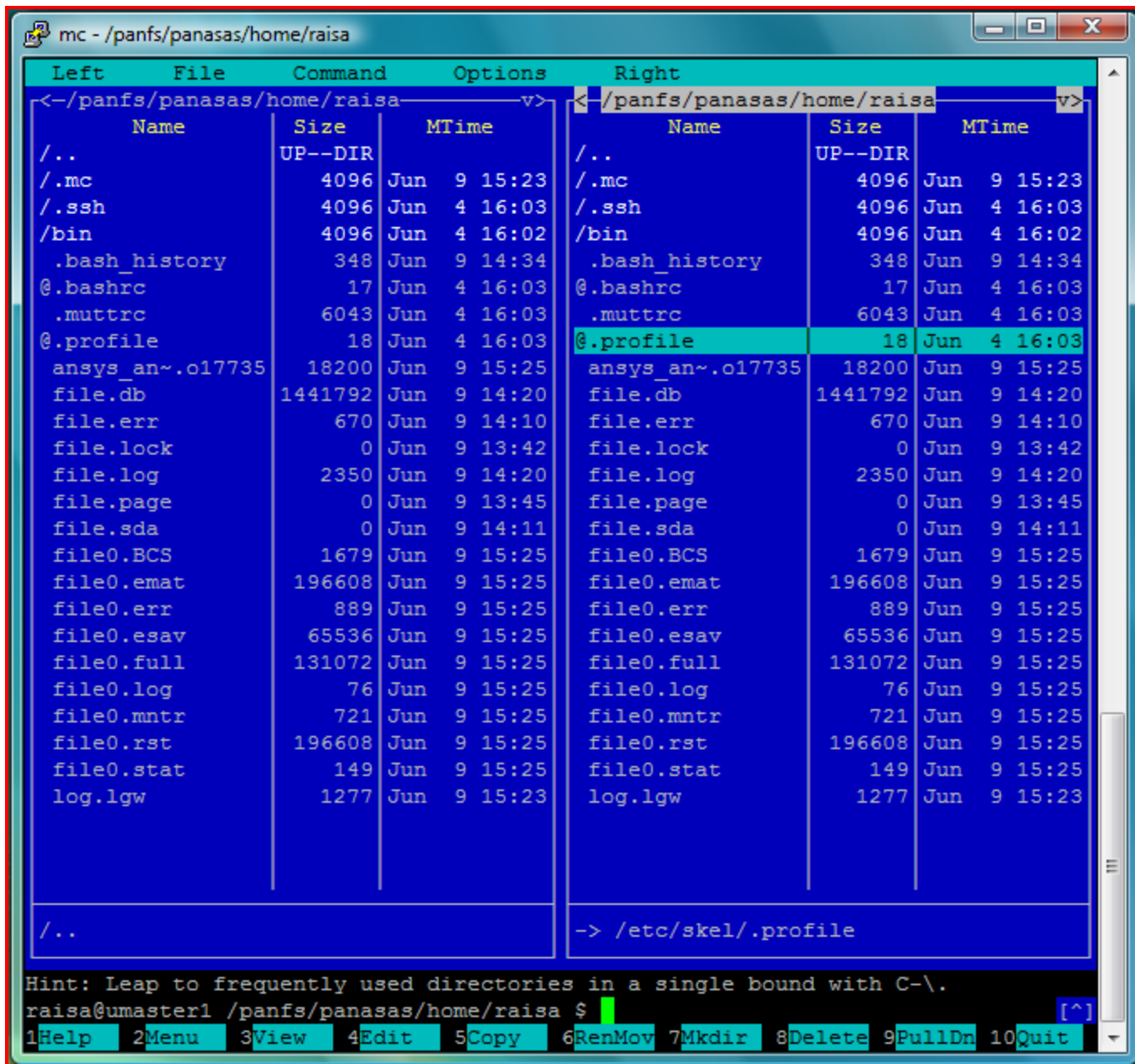
```
mc - /panfs/panasas/home/raisa
log.lgw [-M--] 5 L:[ 68+21 89/ 89] *(1277/1277b)= <EOF>
!* ^
AMESH,_Y1 ^
!* ^
CMDELE,_Y ^
CMDELE,_Y1 ^
CMDELE,_Y2 ^
!* ^
FINISH ^
/SOL ^
! /REPLOT,RESIZE ^
FLST,2,1,4,ORDE,1 ^
FITEM,2,4 ^
!* ^
/GO ^
DL,P51X, ,ALL, ^
FLST,2,1,3,ORDE,1 ^
FITEM,2,2 ^
!* ^
/GO ^
FK,P51X,FX,5000 ^
! LGWRITE,'log','lgw','C:\Users\stud13\','COMMENT'^
SOLVE
1Help 2Save 3Mark 4Replac 5Copy 6Move 7Se
```

```
mc - /panfs/panasas/home/raisa
log.lgw [----] 4 L:[ 99+20 119/120] *(1646/1647b)= .
CMSEL,S,_Y ^
!* ^
AMESH,_Y1 ^
!* ^
CMDELE,_Y ^
CMDELE,_Y1 ^
CMDELE,_Y2 ^
!* ^
FINISH ^
/SOL ^
FLST,2,1,4,ORDE,1 ^
FITEM,2,4 ^
!* ^
/GO ^
DL,P51X, ,ALL, ^
FLST,2,1,1,ORDE,1 ^
FITEM,2,2 ^
!* ^
/GO ^
F,P51X,FX,5000 ^
SOLV
1Help 2Save 3Mark 4Replac 5Copy 6Move 7Search 8Delete 9P
```



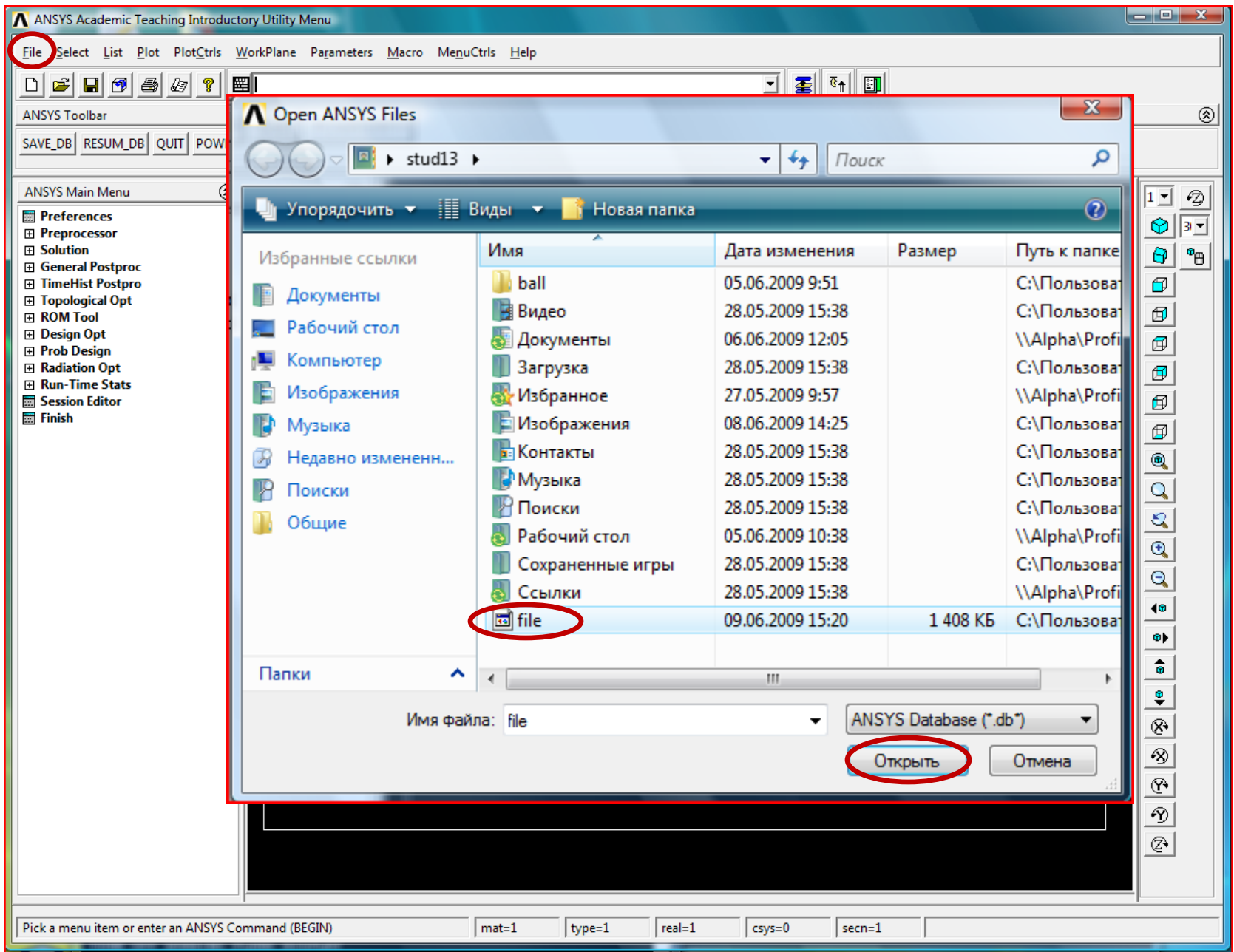
```
mc - /panfs/panasas/home/raisa
#PBS -l nodes=1:ppn=1
#PBS -N ansys_ansys-simple
#PBS -j oe
#PBS -l walltime=24:00:00

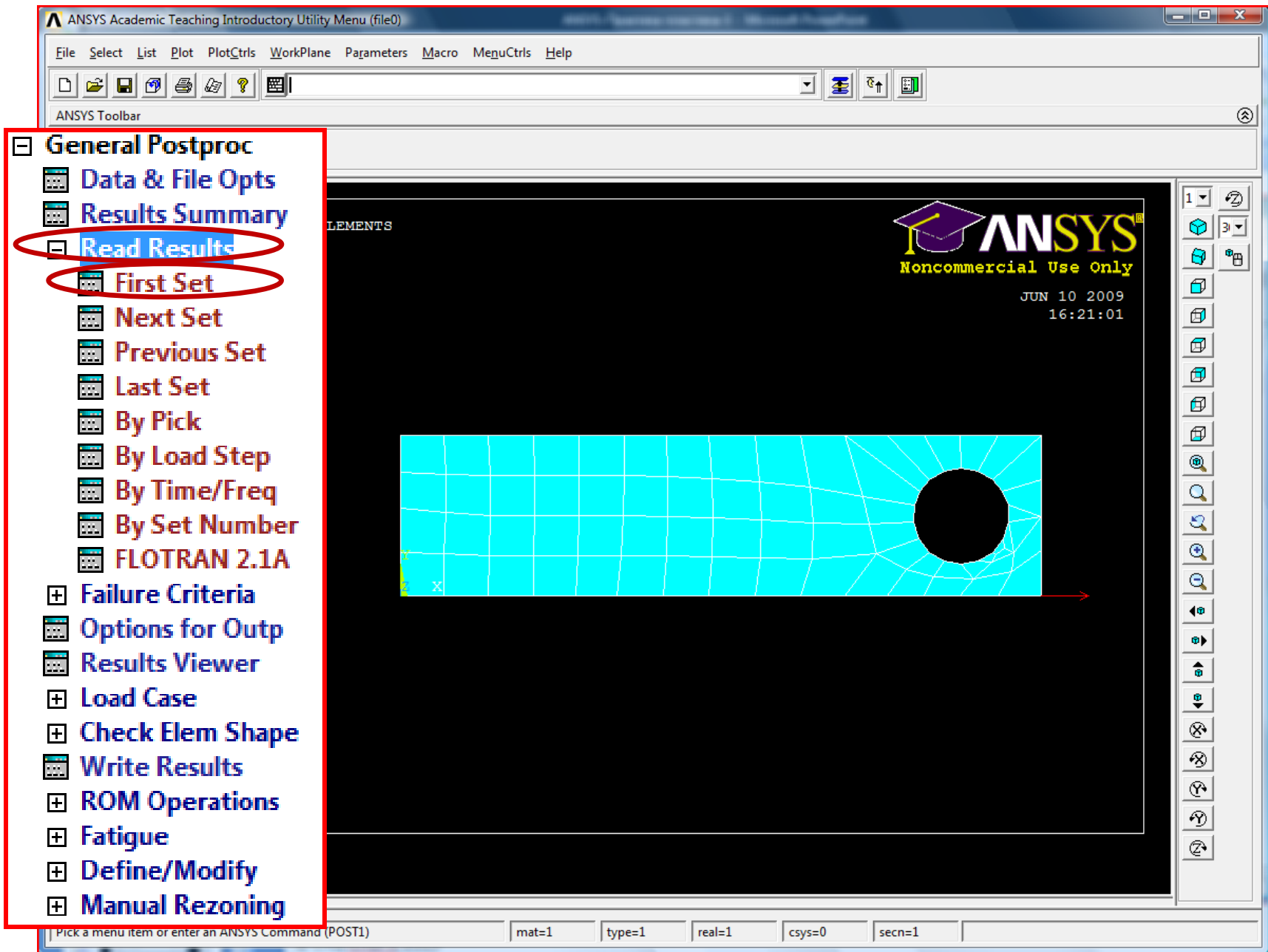
export PATH=/opt/hpmpi/bin:${PATH}
# ansys.exec_line = /share/ansys/ansys_inc/v110/ansys/bin/ansys110 -p aa_r -par
-dist 'node-1,nodes=1:ppn=1'
for i in $(cat ${PBS_NODEFILE}) ; do nodes="${nodes}${i}:1:" ; done
#/share/cae/ansys/v110/ansys/bin/ansys110 -p aa_r -dis -machines "${nodes}umaste
r1:1" -i=log.lgw
echo "/opt/hpmpi/bin/mpirun -np $(wc -l < ${PBS_NODEFILE}) -hostfile ${PBS_NODE
FILE} /share/cae/ansys11sp1/v110/ansys/bin/ansysdis110 -dis -b -p aa_r -i=log.lg
w"
/opt/hpmpi/bin/mpirun -np $(wc -l < ${PBS_NODEFILE}) -hostfile ${PBS_NODEFILE}
/share/cae/ansys11sp1/v110/ansys/bin/ansysdis110 -dis -b -p aa_r -i=log.lgw
17864.umaster1.localdomain
raisa@umaster1 /panfs/panasas/home/raisa $ qstat
Job id                Name                User                Time Use S Queue
-----
17863.umaster1      ..._ansys-simple   raisa                0 Q batch
17864.umaster1      ..._ansys-simple   raisa                0 Q batch
raisa@umaster1 /panfs/panasas/home/raisa $
```



```
{}panfs/panasas/home/raisa} - Far
----- /panfs/panasas/home/raisa ----- C:\Users\stud13 ----- 15:27
n      Name      Name      n      Name      Name
..      ..      file0.esav  ..      ..      Мои документы
.mc     .mc     file0.full  AppData  AppData  Шаблоны
.ssh    .ssh    file0.log   Application Data  Application Data  file.db
bin     bin     file0.mntr  ball     ball     file.err
.bash_history  .bash_history  file0.rst  Contacts  Contacts  file.lock
.bashrc  .bashrc  file0.stat  Cookies   Cookies   file.log
.muttrec .muttrec log.lgw     Downloads Downloads  file.page
.profile .profile                               Local Settings  Local Settings  file.sda
ansys_ansys-simple>                               Music           Music           log.lgw
file.db  file.db                                NetHood        NetHood        menust.tmp
file.err file.err                               Pictures       Pictures       ntuser.dat
file.lock file.lock  PrintHood     PrintHood     ntuser.dat.LOG1
file.log  file.log  Recent        Recent        ntuser.dat.LOG2
file.page file.page  Saved Games   Saved Games   NTUSER.DAT<42133cf1>
file.sda  file.sda  Searches      Searches      NTUSER.DAT<42133cf1>
file@.BCS file@.BCS  SendTo        SendTo        NTUSER.DAT<42133cf1>
file@.emat file@.emat  Videos       Videos       ntuser.pol
file@.err file@.err  Главное меню  Главное меню  solv
                               Evaluation version
log.lgw  log.lgw  2,039,427 bytes in 16 files  menust.tmp  menust.tmp  75 09.06.09 14:42
2,105,033 bytes in 21 files  3,885,284 bytes in 16 files
/panfs/panasas/home/raisa>
1Help 2UserMn 3View 4Edit 5Copy 6RenMov 7MkFold 8Delete 9ConfMn 10Quit
```

Обновить: **Ctrl+R**
Выделить: **Insert**
Копировать: **F5**





ity Menu (file0)

File Parameters Macro MenuCtrls Help

1 3

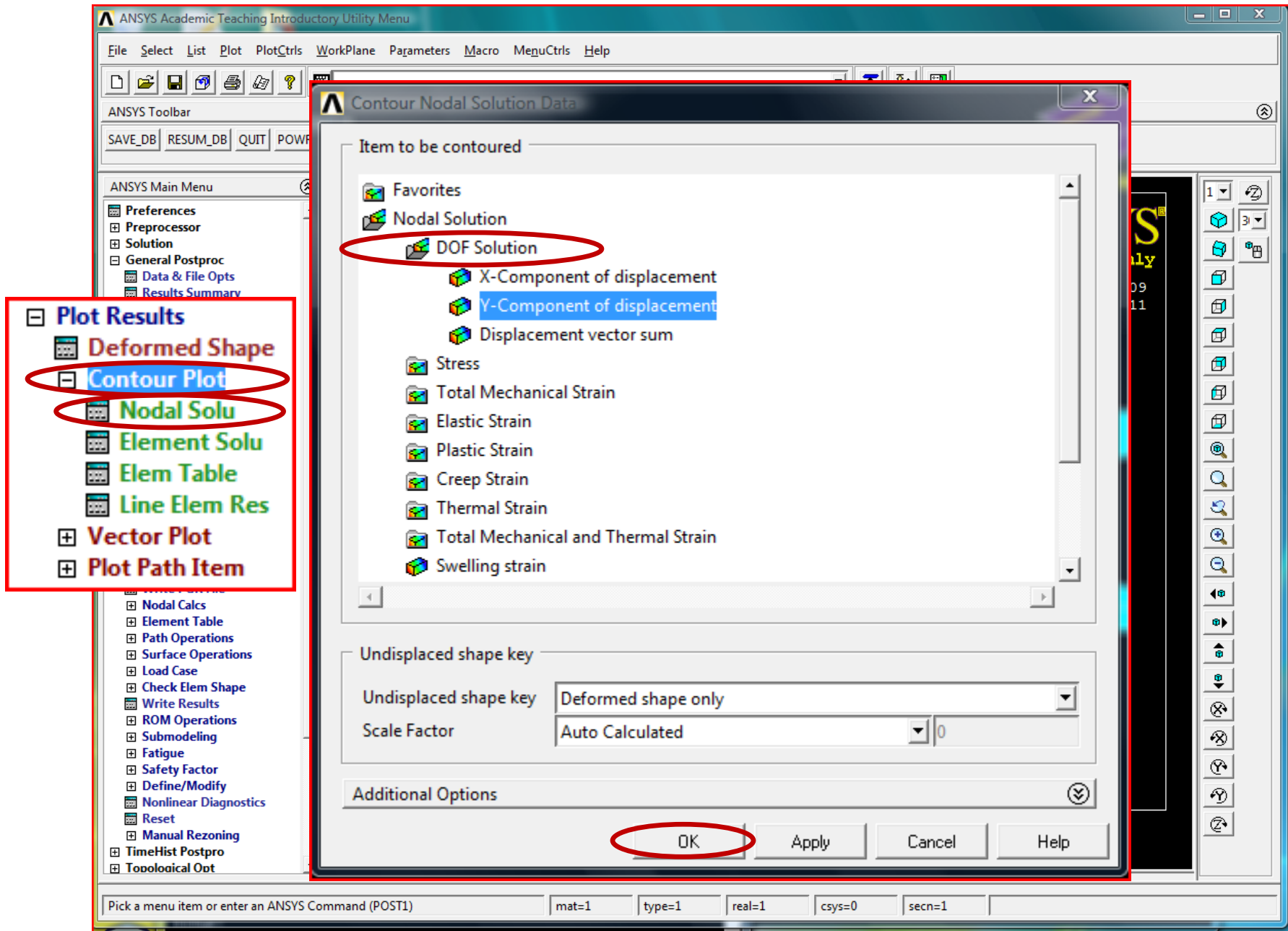
ELEMENTS

ANSYS[®]
Noncommercial Use Only

JUN 9 2009
15:47:54

POST1 mat=1 type=1 real=1 csys=0 secn=1

- [-] General Postproc
 - [+] Data & File Opts
 - [+] Results Summary
 - [-] Read Results
 - [+] First Set
 - [+] Next Set
 - [+] Previous Set
 - [+] Last Set
 - [+] By Pick
 - [+] By Load Step
 - [+] By Time/Freq
 - [+] By Set Number
 - [+] FLOTRAN 2.1A
 - [+] Failure Criteria
 - [+] Plot Results
 - [+] List Results
 - [+] Query Results
 - [+] Options for Outp
 - [+] Results Viewer
 - [+] Write PGR File
 - [+] Nodal Calcs
 - [+] Element Table
 - [+] Path Operations
 - [+] Surface Operations
 - [+] Load Case
 - [+] Check Elem Shape
 - [+] Write Results
 - [+] ROM Operations
 - [+] Submodeling
 - [+] Fatigue
 - [+] Safety Factor
 - [+] Define/Modify
 - [+] Nonlinear Diagnostics
 - [+] Reset
 - [+] Manual Rezoning



ANSYS Academic Teaching Introductory Utility Menu (file0)

File Select List Plot PlotCtrls WorkPlane Parameters Macro MenuCtrls Help

ANSYS Main Menu

- Preferences
- Preprocessor
- Solution
- General Postproc
 - Data & File Opts
 - Results Summary
 - Read Results
 - Failure Criteria
 - Plot Results
 - Deformed Shape
 - Contour Plot
 - Nodal Solu
 - Element Solu
 - Elem Table
 - Line Elem Res
 - Vector Plot
 - Plot Path Item
 - Concrete Plot
 - ThinFilm
 - List Results
 - Query Results
 - Options for Outp
 - Results Viewer
 - Write PGR File
 - Nodal Calcs
 - Element Table
 - Path Operations
 - Surface Operations
 - Load Case
 - Check Elem Shape
 - Write Results
 - ROM Operations
 - Submodeling
 - Fatigue
 - Safety Factor
 - Define/Modify
 - Nonlinear Diagnostics
 - Reset
 - Manual Rezoning
- TimeHist Postpro
- Topological Opt

1 NODAL SOLUTION

STEP=1
SUB =1
TIME=1
UY (AVG)
RSYS=0
DMX =.140899
SMX =.131042

ANSYS
Noncommercial Use Only
JUN 10 2009
16:24:53

0 .01456 .02912 .043681 .058241 .072801 .087361 .101921 .116481 .131042

Pick a menu item or enter an ANSYS Command (POST1) mat=1 type=1 real=1 csys=0 secn=1

