ME 531 Homework # 2 Due February 24, 2016

Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Using the two examples of tension for Cu with and without a hole, produce a stress-strain curve. Strain rate =10 10 1/sec. Loading is along y axis. Show the atomic snapshots when the stress drops for the first time. Comment on your results.

Extra credit. Do the same problem with tension in y and simultaneous compression in xaxis. Compare the stress-strain curve ?