Sample question 1:

(1) sort –t, +2 -3 -nr pop
(2) sort course | uniq
(3) sed '1i\3, Geogia, 9919945' pop
(4) sed '/Washiongton/d' pop
(5) awk –F, '{printf "%s,%s\n" , $2,$3}' pop
   or awk –F, '{print $2,"," ,$3}' pop
(6) awk_script:
   /^3,/{p+=$2;count++}
   END {print p/count}
   awk -F, -f   awk_script pop

   Or awk –F, -f '/^3,/{p+=$2;count++}END {print p/count}' pop

Sample question 2:
(1) AC
(2) AB
(3) BD ("\s" means a space)