data sales;

input id$ sale amount dollar5.0;

cards;

001 1 $150

001 2 $165

001 3 $345

002 1 $135

002 2 $95

002 3 $110

002 4 $245

003 1 $380

003 2 $250

003 3 $220

004 1 $350

004 2 $100

;

data raise; \*for mean amount per sale;

input tier percent;

cards;

100 0.5

150 1.0

200 1.5

250 2.0

300 2.5

;

/\* (a) Order salespersons' ids with respect to the average amount

per sale, from largest to smallest. \*/

proc sql;

create table meansales as

select id, mean(amount) as mean\_amount

from sales

group by id

order by mean\_amount desc;

select \* from meansales;

quit;

/\* (b) Calculate percent raise for each

salesperson.\*/

proc sql;

select \*

from meansales, raise

where mean\_amount>tier

group by id

having tier=max(tier);

quit;