```
/* x3_8.sas */
/* Purpose:  */

title1 'Example 3.8.';

data a;
  input y a b;
  cards;
10.11 1   0
 0.81 0   1
 5.24 0.5 0.5
;

proc print data=a;
title2 'List of data.';

proc glm data=a;
  model y=a b /noint solution xpx inverse;
title2 'Analysis by GLM.';

proc glm data=a;
  model y=a /noint solution xpx inverse;
title2 'Analysis of reduced model by GLM.';

run;
```

Example 3.8. 1
List of data.

Obs	y	a	b
1	10.11	1.0	0.0
2	0.81	0.0	1.0
3	5.24	0.5	0.5

/><><>

y	12.73	130.3258

Example 3.8. 8
Analysis of reduced model by GLM.

The GLM Procedure

X'X Inverse Matrix

	a	y
a	0.8	10.184
y	10.184	0.68348

/><><>