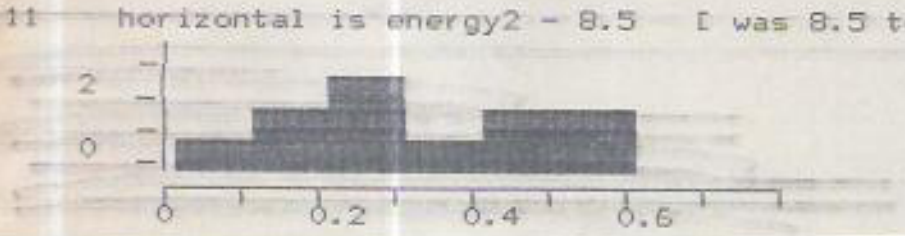
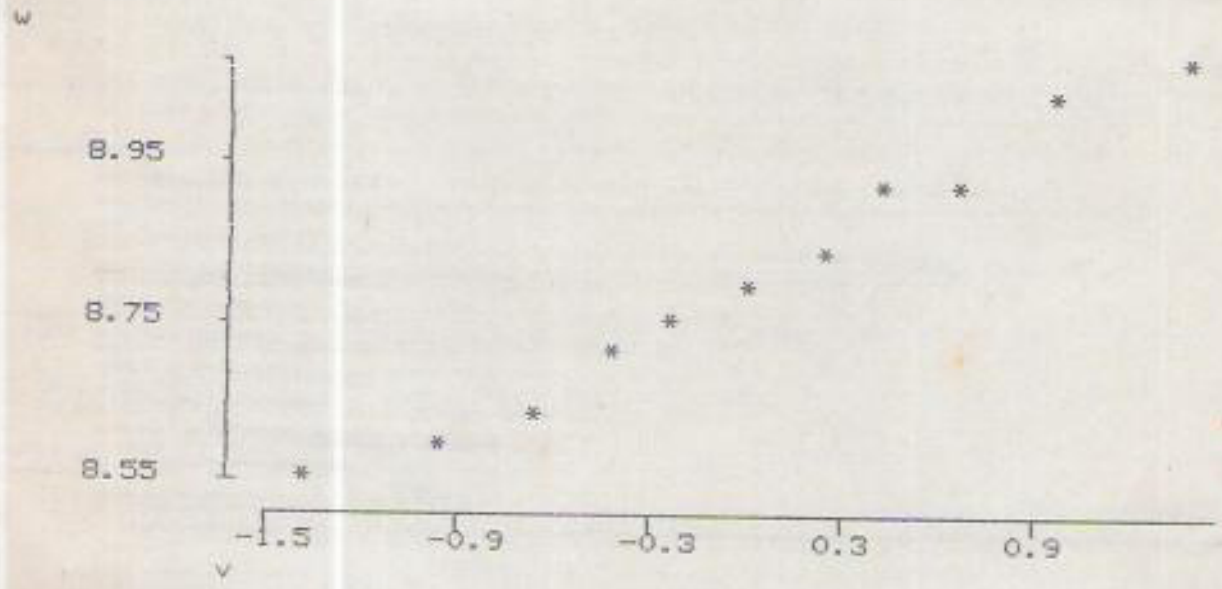
iii)

```
energy2=log(energy)
energy2
 8.568    8.607    8.638    8.729    8.762    8.782    8.825    8.925
 8.925    9.016    9.079
hist(energy2)

# 11    horizontal is energy2 - 8.5   [ was 8.5 to 9.1 ]
```




```
energy2=log(energy)
xplot(energy2)
```



3/3

The normal probability plot does look a better straight line fit. In fact, we dont have to rely on judgement, to find out how well the sample and transformed sample approximate to a normal distribution. By finding the skewness of the transformed and untransformed data sets, we can find the better fit.* From SSC, the skewness of the untransformed data set is 0.3504, and for the transformed data set it is 0.15

→ but not much in it

* but this is only one criterion