hw_J Here is some data:

x: 3, 8, 10, 11, 13, 16, 27, 30, 35, 37, 38, 44, 103, 142

y: 4, 7, 8, 8, 10, 11, 16, 26, 21, 9, 31, 30, 75, 90

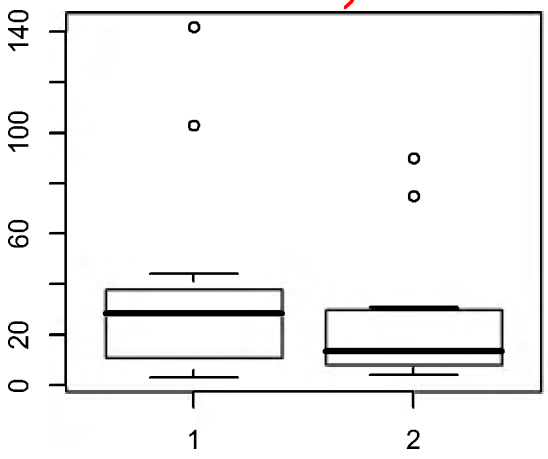
a) Construct a boxplot for each of x and y (by Computer),

b) Construct a scatterplot of the data and comment on any interesting features. (by hand, or by computer).

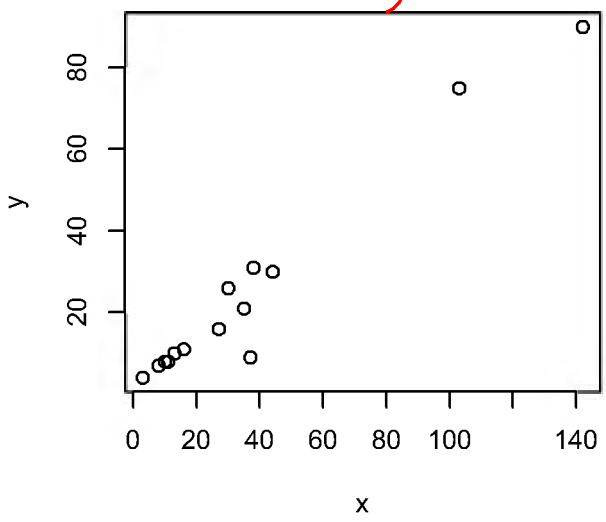
c) plot the qqplot of x and y and comment on whether x or y could have come from a Normal distr.

```
x = c(3,8,10,11,13,16,27,30,35,37,38,44,103,142 )
y = c(4,7,8,8,10,11,16,26,21,9,31,30,75,90)


pdf("hw_J.pdf")
par(mfrow=c(2,2))

boxplot(x,y)          # a)

plot(x,y)             # b)  The data look pretty linear.

qqnorm(x)             # c)  Even if you were to consider the two extreme-right
qqnorm(y)             # points as outliers, the data still don't look Normal.

dev.off()
```

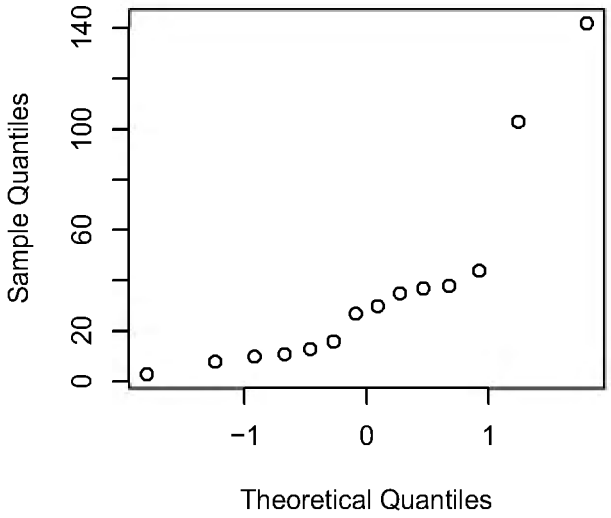
a)



b)



c) **Normal Q−Q Plot**



c) **Normal Q−Q Plot**