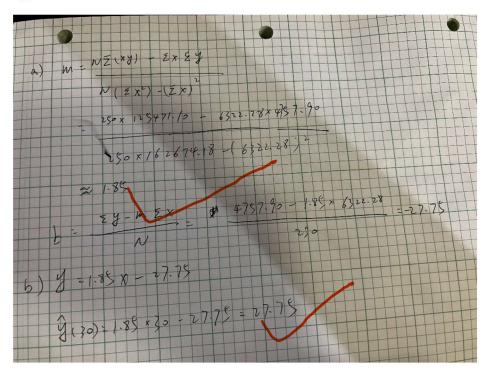
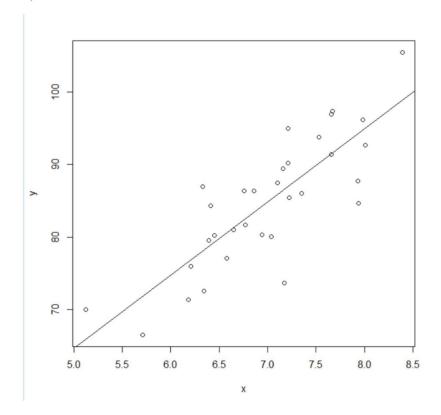
Q1:



Q2:

a)



```
b)
 > model1
 Call:
 lm(formula = y \sim x)
 Coefficients:
  (Intercept)
         14.20
c)
 > predict(modell,data.frame(x=7.5))
 89.88357
d)
-10.09
e)
10=10.09*x
->
X=10/10.09
Q3:
a)
```

```
[1] 1 4 7 0 0 10 14 1
 > modell=lm(y~x)
 > model1
 Call:
 lm(formula = y \sim x)
 Coefficients:
 (Intercept)
      0.6578
                   0.1781
Y=0.1781*x+0.6578
b)
Residual standard error: 0.2873 on 9 degrees of freedom
c)
> predict(modell, data.frame(x=15), interval="conf", level=0.9)
                     lwr
                                upr
1 3.328639 3.125933 3.531346
d)
0.534169
Q4:
a)
```

R Graphics: Device 2 (ACTIVE)

c)