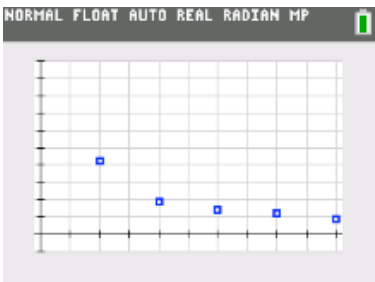


76)

```

NORMAL FLOAT AUTO REAL RADIAN MP
WINDOW
Xmin=-100
Xmax=5100
Xscl=500
Ymin=-1
Ymax=10
Yscl=1
Xres=1
ΔX=19.69696969697
TraceStep=39.39393939394
  
```



L1	L2	L3	L4	L5	3
1000	4.2	4200			
2000	1.9	3800			
3000	1.4	4200			
4000	1.2	4800			
5000	.9	4500			

L3(1)=4200

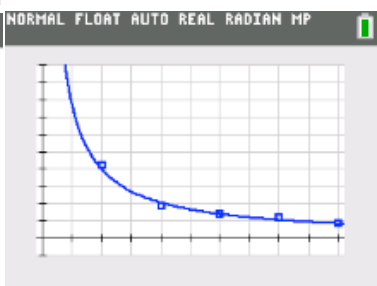
*L₃ is the k values,
C times d.*

```

NORMAL FLOAT AUTO REAL RADIAN MP
PwrReg
Xlist:L1
Ylist:L2
FreqList:
Store RegEQ:Y1
Calculate
  
```

```

NORMAL FLOAT AUTO REAL RADIAN MP
PwrReg
y=a*x^b
a=2291.0402
b=-.9203373768
  
```

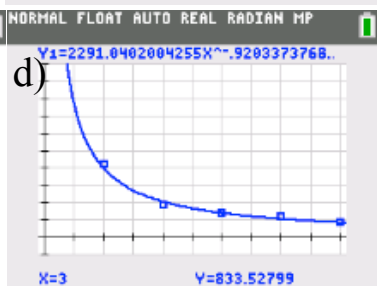


```

NORMAL FLOAT AUTO REAL RADIAN MP
1-Var Stats
List:L3
FreqList:
Calculate
  
```

```

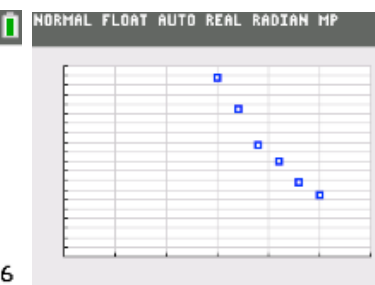
NORMAL FLOAT AUTO REAL RADIAN MP
1-Var Stats
x̄=4300
Σx=21500
Σx²=93010000
Sx=374.1657387
σx=334.6640106
n=5
minX=3800
↓Q1=4000
  
```



77)

```

NORMAL FLOAT AUTO REAL RADIAN MP
DISTANCE BETWEEN TICK MARKS ON AXIS
WINDOW
Xmin=0
Xmax=60
Xscl=10
Ymin=0
Ymax=.2
Yscl=.01
Xres=1
ΔX=.22727272727273
TraceStep=.45454545454546
  
```

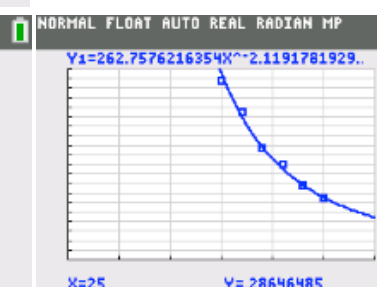
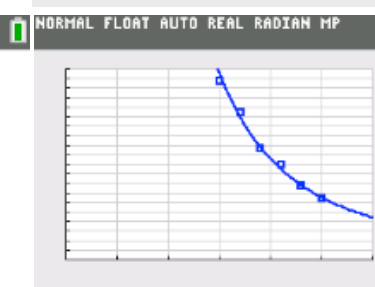


```

NORMAL FLOAT AUTO REAL RADIAN MP
PwrReg
Xlist:L1
Ylist:L2
FreqList:
Store RegEQ:Y1
Calculate
  
```

```

NORMAL FLOAT AUTO REAL RADIAN MP
PwrReg
y=a*x^b
a=262.7576216
b=-2.119178193
  
```

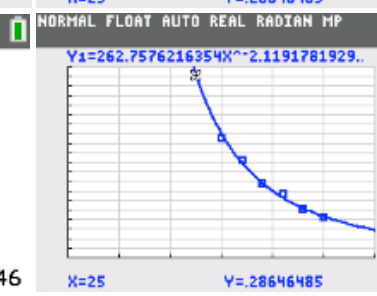


*Note, very close to
the book's equation.*

I didn't look ahead
to see what number
I needed to trace to.
If so, I would have
picked a bigger
window:

```

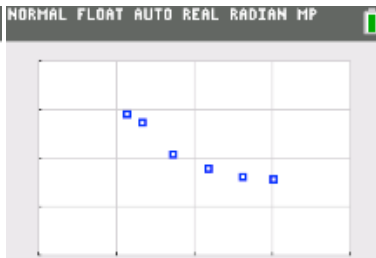
NORMAL FLOAT AUTO REAL RADIAN MP
DISTANCE BETWEEN TICK MARKS ON AXIS
WINDOW
Xmin=0
Xmax=60
Xscl=10
Ymin=0
Ymax=.3
Yscl=.015
Xres=1
ΔX=.22727272727273
TraceStep=.45454545454546
  
```



91)

```

NORMAL FLOAT AUTO REAL RADIAN MP
DISTANCE BETWEEN TICK MARKS ON AXIS
WINDOW
Xmin=45
Xmax=65
Xscl=5
Ymin=55
Ymax=75
Yscl=5
Xres=1
ΔX=.0757575757575757
TraceStep=.1515151515151515
  
```

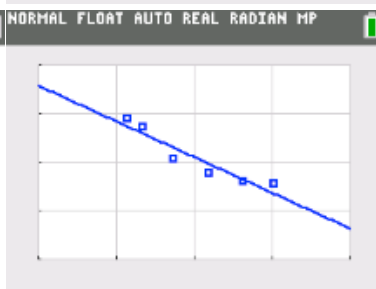


```

NORMAL FLOAT AUTO REAL RADIAN MP
LinReg(ax+b)
Xlist:L1
Ylist:L2
FreqList:
Store RegEQ:Y1
Calculate
  
```

```

NORMAL FLOAT AUTO REAL RADIAN MP
LinReg
y=ax+b
a=-.7369961388
b=106.0970709
  
```



```

NORMAL FLOAT AUTO REAL RADIAN MP
Y1=-.73699613880626X+106.0970709..
X=62
Y=60.40331
  
```

- c) Beef consumption: 60.403 lbs.
- d) As poultry increases, beef decreases by a factor of .737.

- 92) a and b) To be turned in for a grade.
- c) It is not quite 1%, the change is closer to .8%.