```
C:\Users\ricar\AppData\Local\Programs\Python\Python39\python.exe "C:/Users/ricar/Desktop/python-scripts/C
|-------------------------------------------------------------------------------------|
|                                    QUESTAO 01                                        |
|-------------------------------------------------------------------------------------|
Parametros: f(x) = -(0.0213903743315508*x²) + (0.7566844919786097*x) - 0.5775401069518717
p = 5
x1 = 3   | x2 = 9
y1 = 1.5 | y2 = 4.5
*----------------------------------------------------------------------------------*
p1(x) = 1.5 + (x - 3)*(4.5 - 1.5)/(9 - 3)

f(5) = 2.6711229946524067
p(5) = 2.5

E(5) = 0.17112299465240666
*----------------------------------------------------------------------------------*
```

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|-------------------------------------------------------------------------------------|
|                                    QUESTAO 02                                        |
|-------------------------------------------------------------------------------------|
Parametros: f(x) = (12.3543123543124*x²) - (23.4965034965035*x) + 20.8974358974359
p1 = 1.5
x1 = 1.1   | x2 = 2.2
y1 = 10 | y2 = 29

p2 = 2.5
x1 = 2.2 | x2 = 3.5
y1 = 29  | y2 = 90
*----------------------------------------------------------------------------------*
p1(x) = 10 + (x - 1.1)*(29 - 10)/(2.2 - 1.1)

f(1.5) = 13.449883449883547
p(1.5) = 16.909090909090907

E(1.5) = 3.4592074592073594

p1(x) = 29 + (x - 2.2)*(90 - 29)/(3.5 - 2.2)

f(2.5) = 39.37062937062964
p(2.5) = 43.076923076923066

E(2.5) = 3.7062937062934225
*----------------------------------------------------------------------------------*
```

```
|----------------------------------------------------------------------------|
|                               QUESTAO 03                                   |
|----------------------------------------------------------------------------|
Parametros: f(x) = 12.354312354312357*(x-1.1)*(x-2.2) + 17.27272727272727*(x-1.1) + 10
p1 = 1.5
x1 = 1.1   | x2 = 2.2
y1 = 10 | y2 = 29

p2 = 2.5
x1 = 2.2 | x2 = 3.5
y1 = 29  | y2 = 90
*-----------------------------------------------------------------------------*
p1(x) = 10 + (x - 1.1)*(29 - 10)/(2.2 - 1.1)

f(1.5) = 13.449883449883446
p(1.5) = 16.909090909090907

E(1.5) = 3.4592074592074606

p1(x) = 29 + (x - 2.2)*(90 - 29)/(3.5 - 2.2)

f(2.5) = 39.37062937062936
p(2.5) = 43.076923076923066

E(2.5) = 3.7062937062937067
*-----------------------------------------------------------------------------*

Process finished with exit code 0
```