

```
main.py +
1
2 # Online Python - IDE, Editor, Compiler, Interpreter
3 import math
4
5 a = int(input('Enter 1st number: '))
6 b = int(input('Enter 2nd number: '))
7 x = int(input('Enter 3rd number: '))
8
9 res = ((math.pow(x,4)/4) - (4*a*math.pow(x,3)/3) +
10        (6*math.pow(a,2)*math.pow(x,2)/2) - (4*math.pow(a,3)*x) + (math.pow(a,4)*math.log10(x)))/math.pow(b,2)
11
12 print(f'RESult: {res}')
13 |
```

Ln: 13, Col: 1

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```
Enter 1st number:
-1
Enter 2nd number:
1
Enter 3rd number:
1
RESult: 8.583333333333332
```

3. Для любых значений  $a$ ,  $b$ ,  $x$  вычислить значение выражения

$$S = \frac{1}{b^2} \left( \frac{x^4}{4} - \frac{4ax^3}{3} + \frac{6a^2x^2}{2} - 4a^3x + a^4 \ln(x) \right).$$