1. Open IDLE and in the interactive shell, try using Python’s exponentiation (\*\*), floor division (//), and modulus (%) operators with different numbers.
2. Write a Python program that prints the message:  
   "Python programming is fun!"  
   Save the file and run it as a script.
3. Write a program that asks the user for their favorite color and then prints:  
   "Wow! <color> is a beautiful color!"  
   (**Replace <color> with the actual input.)**
4. Write a program that asks the user for three numbers and calculates their product and average. Include comments to describe your code.
5. Write a program that computes the value of the expression:

A math equation with black letters

AI-generated content may be incorrect.

Ask the user to enter values for x and y, then print the result with comments explaining the calculations.

1. Write a program that asks the user for the side length of a square. The program should calculate and print both its area and perimeter.
2. Write a program that asks the user to enter the base and height of a triangle. The program should calculate and print the triangle’s area using the formula:

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1. Write a program that prompts the user to enter three numbers. The program should determine and print the largest of the three numbers.
2. Write a program that asks the user to enter two numbers m and n. Swap their values without using a third variable and print the new values.