import math

def sin\_series(x, n):

result = 0

for i in range(n):

result += ((-1) \*\* i) \* (x \*\* (2 \* i + 1)) / math.factorial(2 \* i + 1)

return result

x = float(input("Enter value of x in radians: "))

n = int(input("Enter number of terms: "))

print(f"sin({x}) ≈ {sin\_series(x, n)}")