1) Consider the function f(n) = 6n - 4:
    Please write this function in python. The call it with the arguments 4, 5, 6, and 7.

2) Consider the function f(n) = 1 / (3**n-1)
Please write this function in python and then call it with the arguments 1,2,3,4 and 5.

3) Consider the function f(n) = (-1**n) * (3). Please write this function in python and then call it with the arguments, 1, 2, 3, 4, and 5.

4) $250 is invested at a bank that pays 7% simple interest.在一家银行存入¥250， 单利为7%。计算1年后，3年后，7年后，20年后的存款金额。

    A) First write a function that calculates money in the account as a function of the amount of years.
    B) Then Calculate the amount of money in the account after 1 year, 3 years, 7 years, and 20 years.

5) $325 is borrowed from a bank that charges 4% interest compounded annually.从一家银行借款¥325，年复利4%。

    A) First write a function that calculates money in the account as a function of the amount of years.先定义一个函数使用年数来计算存款金额

    B) Then Calculate the amount of money in the account after 1 year, 3 years, 7 years。然后调用你的函数计算1年后，3年后，7年后，20年后的存款金额。

6) Percy has $10,000 to invest. He can go to Yankee Bank that pays 5% simple interest or Met Bank that pays 4% interest compounded annually. At how many years will Met Bank be the better choice?

Percy 有¥10，000可供投资。他可以存在Jason Bank，单利5%，或存在大都会银行，年复利4%。要存多少年，大都会银行才是更好的选择?