

```
def calculate(num1, num2):  
    sum = num1 + num2  
    diff = num1 - num2  
    prod = num1 * num2  
    if num2 != 0:  
        quotient = num1 / num2  
    else:  
        quotient = None  
    if num2 != 0:  
        mod = num1 % num2  
    else:  
        mod = None  
    return sum, diff, prod, quotient, mod
```