Week 7 - Paper Practice - Functions and Conditionals

For the following functions show what is output for each of the calls below and circle any parts of the conditional never got called by the code.

def lone_sum(a, b, c):
    sum = 0
    if a != b and b != c and a != c:
        sum = a + b + c
    elif b == c and a != c:
        sum = a
    elif a == b and b != c:
        sum = c
    elif b != c and a == c:
        sum = b
    return sum

1.
    x = lone_sum(1,2,3)
    print("first call = ", x, "\n")
    x = lone_sum(2,2,3)
    print("second call = ", x, "\n")
    x = lone_sum(3,2,3)
    print("third call = ", x, "\n")
    x = lone_sum(2,2,2)
    print("fourth call = ", x, "\n")


def close_far(a, b, c):
    y = [a, b, c]
    y.sort()
    value1 = y[1] - y[0]
    if value1 > 1 or value2 > 1:
        return True
    else:
        return False

2.
    x = close_far(-1,10,0)
    print("first call = ", x, "\n")
    x = close_far(10,10,8)
    print("second call = ", x, "\n")