Triplet Sum Equal to X:

```
class Solution {

    find3Numbers(A, n, X)
    {
        let elements = []
        A.sort((a,b)=>a-b)

        for (let i = 0; i < n - 2; i++){
            let left = i +1
            let right = n -1
            while(left<right){
                let sum = A[i] + A[left] + A[right]
                if (sum === X) {
                    elements = [...elements, A[i], A[left], A[right]]
                    left++;
                    right--;
                }else if(sum < X){
                    left ++
                }else{
                    right --
                }
            }
        }



        return elements
    }
}


const s = new Solution()

console.log(s.find3Numbers([1, 4, 45, 6, 10, 8],6,13))
console.log(s.find3Numbers([1, 2, 4, 3, 6],5,10))
```

Common Elements in Three Arrays:

```
let A = [1, 5, 10, 20, 40, 80]
let B = [6, 7, 20, 80, 100]
let C = [3, 4, 15, 20, 30, 70, 80, 120]

function checkIntersection(A,B,C) {
    const m = new Map()
    let elements = []
    for(let i =0; i< A.length; i++){
        m.set(A[i], (m.get(A[i]) ?? 0) + 1);
    }
    for(let i =0; i< B.length; i++){
        m.set(B[i], (m.get(B[i]) ?? 0) + 1);
```

```
    }
    for(let i =0; i< C.length; i++){
        m.set(C[i], (m.get(C[i]) ?? 0) + 1);
    }

    for (const key of m.keys()) {
        if(m.get(key) > 1) elements.push(key)
    }
    return elements
}

console.log(checkIntersection(A,B,C))
```

Counting Squares Less than N:

```
class Solution {

    countSquares(N)
    {
       return Math.floor(Math.sqrt(N-1))
    }
}

const s = new Solution()
console.log(s.countSquares(9))
```