

```

fun main() {
    println ("1")
    val numb = readln()!!.toInt()
    val a = numb/10
    val s = numb % 10
    val d = a+s
    val t = a*s
    println("a)$a\nб)$s\nв)$d\nг)$t")

    println("\n2")
    val f = readln().toInt()
    val r = f%10
    val y = f/10%10
    val w = f/100
    val sum = r+y+w
    val g = r*y*w
    println("a)$y\nб)$r\nв)$sum\nг)$g")

    println ("\n3")
    val b = readln()!!.toInt()
    val c =readln()!!.toInt()
    val p = d/c
    println (" $p")

    println ("\n4")
    print("Введите число: ")
    val base = readln().toInt()
    print("Введите степень: ")
    val exp = readln().toInt()
    var power = 1
    for (i in 1..exp) {
        power *= base
    }
    println("Результат:$power")

    print ("\n5")
    println("Введите число для корня: ")
    val num = readln().toDouble()
    val sqrt = num / 2
    var z: Double
    var root = sqrt
    do {
        z = root
        root = (z + num / z) / 2
    } while ((z - root) != 0.0)
    println("Корень: $root")

    println("Вычисление логических выражений\n1.")
    val a1 = true
    val b1 = false
    val c1 = false
    println ("a)" + (a1 || b1))
    println ("б)" + (a1 && b1))
    println ("в)" + (b1 || c1))

    println("\n2.")
    val x1 = false
    val y1 = true
    val z1 = false
    println ("a)" + (x1 || z1))
    println ("б)" + (x1 && y1))
    println ("в)" + (x1 && z1))

```

```
println("\n3.")
val a2 = true
val b2 = false
val c2 = false
println ("a") + (!a2 && b2))
println ("б") + (a2 || !b2))
println ("в") + (a2 && b2 || !c2))
```

```
println("\n4")
val x2 = true
val y2 = true
val z2 = false
println ("a") + (!x2 && y2))
println ("б") + (x2 || !y2))
println ("в") + (x2 || y2 && z2))
```

```
println("\n6.")
val x3 = false
val y3 = false
val z3 = true
println ("a") + (x3 || y3 && !z3))
println ("б") + (!x3 && !y3))
println ("в") + (! (x3 && z3) || y3))
println ("г") + (x3 && !y3 || z3))
println ("д") + (x3 && (!y3 || z3))
```

```
println ("\n7.")
val a3 =true
val b3 = false
val c3 =  false
println ("a") + (a3 || !(a3 && b3) || c3))
println ("б") + (!a3 || a3 && (b3 || c3 ))
println ("в") + ((a3 || b3 && !c3) && c3))
```

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}
```