1. Permutation with replacement using a recursive function and a for loop.
   1. nPm R = n^m
   2. permRecur() acts like a powRec()
   3. permFor(int nMax) breaks at 11^11=-2.14748^9
2. Perm with No Replacement recursive
   1. nPm = n!/(n-m)!
3. Combination with replacement.
   1. comboRep()
   2. nCm R = (n+m-1)!/(n-1)!\*m!
4. Combination without replacement
   1. comboNoRep()
   2. nCm = n!/(n-m)!/m!