

## Quiz 1 - Nonbinary Computing

**Duration:** 10 minutes

open notes, please show your work

Name:.....

ID#:.....

*Hint: "Balanced ternary (i.e.  $\{-1, 0, +1\}$ ) is perhaps the prettiest number system" - Donald Knuth*

**Question:** Give the range of numbers that can be represented in balanced ternary using  $n$  trits.