By whatever means are at your disposal, find the fastest way to compute x^n with as much accuracy as possible. *X* may be any floating-point number, *N* may be any integer. Do not use any of the mathematical functions such as `pow`, `exp`, `log`, *etc.*

Write your solution as a function, together with a short explanation of how and why it works. Just a few sentences.

Now find the fastest way to compute *(x^n)%d,* where *x*, *n*, and *d* are all ordinary positive ints, with complete accuracy. For example, you may need to compute (three to the power of seventy-two million) modulo 12.

Write your solution as a function, together with a short explanation of how and why it works. Just a few sentences.

Due Tuesday 24th November.