III. Radioactive Dating (p.286): $A(t) = A_0 e^{rt}$

1. A(t) is the amount of radioactive material after "t" years and "r" is the decay rate
2. $A(0) = A_0$ (*i.e.*, A_0 is the original amount)
3. Half-life: the time it takes to reduce A(t) to 50% of A_0
4. Examples (p.326): Exercise #~~60~~,62,64,66

HW: ~~p.326 / Exercises #1-59(every other odd)~~
pp.326-327 / Exercises #49,53,57,61-69(odd)
Read section 4.4 (pp.322-325)