CH02 Practical Assessment:

Q1. Calculate: A ball starts at rest with a constant acceleration of 4 m/s^2 and dt = 0.25. Using semi-implicit Euler, what are the velocity and position after 3 steps?

Q2. Calculate: Same ball, but with explicit Euler (position first, then velocity). What are the velocity and position after 3 steps?

Q3. Calculate: FIXED_DT = 1/50 and the accumulator starts at 0. A frame takes 70 ms. How many physics steps run, and what is `alpha`?