Consider the DE y'(t) = -0.2(y(t) - 72)

- 1. Suppose that y(0) = 180. Use Euler's method with a stepsize of 2 to approximate y(6).
- 2. Verify that $y(t) = 72 + 108e^{-0.2t}$ is a solution to the DE.
- 3. How accurate is your estimate from #1? How could you make it more accurate?