Use the Finite Difference method to approximate the solution to the following boundary-value problem.

\[ y''(x) = y'(x) + 2y(x) - 4\cos(x-2) - 2\sin(x-2) \]

\[ 0 \leq x \leq 10, \quad y(0) = -1.32544, \quad y(10) = 0.84386 \]

Plot the solutions (use lines to connect the \( y \) points) using \( h \) values of 2.5, 2.0, 1.0, 0.5, and 0.1.