1-2. A car travels along a straight road with the speed shown in the v-t graph, where $v_0 = 2$ m/s and *c* follows a normal distribution $c \sim N(2, 0.2^2)$ m/s². Plot the a-t graph and calculate the probability that the maximum speed *v* reaches 14 m/s.

Solution: P(v > 14) = 0.023

