Samples   Exponential decay

1. 0.05 of a certain radioactive substance decays every 1000 years. If the initial quantity of the substance is 400 units, how many units will remain after 11 thousand years? (Round your answer to two decimal places.)

2. 0.03 of a certain radioactive substance decays every 1000 years. If the initial quantity of the substance is 400 units, how many units will remain after 12 thousand years? (Round your answer to two decimal places.)

3. 0.01 of a certain radioactive substance decays every 1000 years. If the initial quantity of the substance is 300 units, how many units will remain after 17 thousand years? (Round your answer to two decimal places.)