Here are the questions from [5.2 Discretization of continuous-time systems - Quiz]

1. Both the above methods have strengths and weaknesses. One of these is FALSELY described below. Which statement is incorrect?

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Optional Answers:

1. The Euler method is more accurate when T is large than when T is small.
2. The Euler method is easy to apply also for nonlinear systems.
3. The analytical solution is an exact solution also when T is large.

2. What type of model does the Euler method give us in this example?

Optional Answers:

1. x(t+T) = x(t) + Tx'(t)
2. x(t+T) = x(t)
3. x(t+T) = Tx'(t)
4. x(t+T) = x(t) + T^2 x'(t)

Thank You