Week 7 Assessment

Due on 2021-10-15, 20:00 IST.

This week's lab is to construct the exponential growth curve.

As per our records you have not submitted this assignment.

1. Let the solution of the ODE $y' = -y + 1$ be $y(x) = e^{-x} + Cx + D$.

2. Let the solution of the ODE $y' = y^2$ be $y(x) = e^{-x^2}$.

3. Let the solution of the ODE $y' = y^3$ be $y(x) = e^{-x^2/2}$.

4. Let the solution of the ODE $y' = y^4$ be $y(x) = e^{-x^3}$.

5. Let the solution of the ODE $y'' = y'$ be $y(x) = e^x$.

6. Let the solution of the ODE $y'' = -y'$ be $y(x) = e^{-x}$.

7. Let the solution of the ODE $y'' = y$ be $y(x) = e^x$.

8. Let the solution of the ODE $y'' = -y$ be $y(x) = e^{-x}$.

9. Let the solution of the ODE $y'' = y'$ be $y(x) = e^x$.

10. Let the solution of the ODE $y'' = -y'$ be $y(x) = e^{-x}$.

11. Let the solution of the ODE $y'' = y$ be $y(x) = e^x$.

12. Let the solution of the ODE $y'' = -y$ be $y(x) = e^{-x}$.

13. Let the solution of the ODE $y'' = y'$ be $y(x) = e^x$.

14. Let the solution of the ODE $y'' = -y'$ be $y(x) = e^{-x}$.

15. Let the solution of the ODE $y'' = y$ be $y(x) = e^x$.

16. Let the solution of the ODE $y'' = -y$ be $y(x) = e^{-x}$.

17. Let the solution of the ODE $y'' = y'$ be $y(x) = e^x$.

18. Let the solution of the ODE $y'' = -y'$ be $y(x) = e^{-x}$.

19. Let the solution of the ODE $y'' = y$ be $y(x) = e^x$.

20. Let the solution of the ODE $y'' = -y$ be $y(x) = e^{-x}$.