

1. Through which of the following is the general solution of the given differential equation obtained?



- a. Characteristic equation of the case
- b. Characteristic equation of the case
- c. Characteristic frequency of the case
- d. Characteristic period

2. A particular integral of the given differential equation is

- a. $\sin(x) + \cos(x)$
- b. $\sin(x) - \cos(x)$
- c. $\sin(x) + \cos(x) + 1$
- d. $\sin(x) - \cos(x) + 1$

3. Which of the following is the correct form of the particular integral of the given differential equation?

4. Which of the following is the correct form of the particular integral of the given differential equation?

5. Which of the following is the correct form of the particular integral of the given differential equation?

- a. $\sin(x) + \cos(x) + 1$
- b. $\sin(x) - \cos(x) + 1$