

1. What is the integral of the function $f(x,y)$ over the curve C given by the parametric equations $x=t^3-3t+1$, $y=t^2-1$ from $t=1$ to $t=2$?

- A. $1/3$
- B. $4/3$
- C. $5/3$
- D. 2

2. What is the integral of the function $f(x,y)$ over the curve C given by the parametric equations $x=t^2$, $y=t^3$ from $t=0$ to $t=1$?

- A. $1/3$
- B. $4/3$
- C. $5/3$
- D. 2

3. What is the integral of the function $f(x,y)$ over the curve C given by the parametric equations $x=t$, $y=t^2$ from $t=0$ to $t=1$?

- A. $1/3$
- B. $4/3$
- C. $5/3$
- D. 2

4. What is the integral of the function $f(x,y)$ over the curve C given by the parametric equations $x=t^2-1$, $y=t^3-3t+1$ from $t=1$ to $t=2$?

- A. $1/3$
- B. $4/3$
- C. $5/3$
- D. 2

5. What is the integral of the function $f(x,y)$ over the curve C given by the parametric equations $x=t^3$, $y=t^4$ from $t=0$ to $t=1$?

- A. $1/3$
- B. $4/3$
- C. $5/3$
- D. 2

6. What is the integral of the function $f(x,y)$ over the curve C given by the parametric equations $x=t^4$, $y=t^5$ from $t=0$ to $t=1$?

- A. $1/3$
- B. $4/3$
- C. $5/3$
- D. 2

7. What is the integral of the function $f(x,y)$ over the curve C given by the parametric equations $x=t^5$, $y=t^6$ from $t=0$ to $t=1$?

- A. $1/3$
- B. $4/3$
- C. $5/3$
- D. 2

8. What is the integral of the function $f(x,y)$ over the curve C given by the parametric equations $x=t^6$, $y=t^7$ from $t=0$ to $t=1$?

- A. $\frac{1}{3}$
- B. $\frac{4}{3}$
- C. $\frac{5}{3}$
- D. 2

9. What is the integral of the function $f(x,y)$ over the curve C given by the parametric equations $x=t^7$, $y=t^8$ from $t=0$ to $t=1$?

- A. $\frac{1}{3}$
- B. $\frac{4}{3}$
- C. $\frac{5}{3}$
- D. 2

10. What is the integral of the function $f(x,y)$ over the curve C given by the parametric equations $x=t^8$, $y=t^9$ from $t=0$ to $t=1$?

- A. $\frac{1}{3}$
- B. $\frac{4}{3}$
- C. $\frac{5}{3}$
- D. 2

11. What is the integral of the function $f(x,y)$ over the curve C given by the parametric equations $x=t^9$, $y=t^{10}$ from $t=0$ to $t=1$?

- A. $\frac{1}{3}$
- B. $\frac{4}{3}$
- C. $\frac{5}{3}$
- D. 2

12. What is the integral of the function $f(x,y)$ over the curve C given by the parametric equations $x=t^{10}$, $y=t^{11}$ from $t=0$ to $t=1$?

- A. $\frac{1}{3}$
- B. $\frac{4}{3}$
- C. $\frac{5}{3}$
- D. 2

13. What is the integral of the function $f(x,y)$ over the curve C given by the parametric equations $x=t^{11}$, $y=t^{12}$ from $t=0$ to $t=1$?

- A. $\frac{1}{3}$
- B. $\frac{4}{3}$
- C. $\frac{5}{3}$
- D. 2

14. What is the integral of the function $f(x,y)$ over the curve C given by the parametric equations $x=t^{12}$, $y=t^{13}$ from $t=0$ to $t=1$?

- A. $\frac{1}{3}$
- B. $\frac{4}{3}$
- C. $\frac{5}{3}$
- D. 2

15. What is the integral of the function $f(x,y)$ over the curve C given by the parametric equations $x=t^{13}$, $y=t^{14}$ from $t=0$ to $t=1$?

- A. $\frac{1}{3}$
- B. $\frac{4}{3}$

- C. $\frac{5}{3}$
- D. 2

16. What is the integral of the function $f(x,y)$ over the curve C given by the parametric equations $x=t^{14}$, $y=t^{15}$ from $t=0$ to $t=1$?

- A. $\frac{1}{3}$
- B. $\frac{4}{3}$
- C. $\frac{5}{3}$
- D. 2

17. What is the integral of the function $f(x,y)$ over the curve C given by the parametric equations $x=t^{15}$, $y=t^{16}$ from $t=0$ to $t=1$?

- A. $\frac{1}{3}$
- B. $\frac{4}{3}$
- C. $\frac{5}{3}$
- D. 2

18. What is the integral of the function $f(x,y)$ over the curve C given by the parametric equations $x=t^{16}$, $y=t^{17}$ from $t=0$ to $t=1$?

- A. $\frac{1}{3}$
- B. $\frac{4}{3}$
- C. $\frac{5}{3}$
- D. 2

19. What is the integral of the function $f(x,y)$ over the curve C given by the parametric equations $x=t^{17}$, $y=t^{18}$ from $t=0$ to $t=1$?

- A. $\frac{1}{3}$
- B. $\frac{4}{3}$
- C. $\frac{5}{3}$
- D. 2

20. What is the integral of the function $f(x,y)$ over the curve C given by the parametric equations $x=t^{18}$, $y=t^{19}$ from $t=0$ to $t=1$?

- A. $\frac{1}{3}$
- B. $\frac{4}{3}$
- C. $\frac{5}{3}$
- D. 2

21. What is the integral of the function $f(x,y)$ over the curve C given by the parametric equations $x=t^{19}$, $y=t^{20}$ from $t=0$ to $t=1$?

- A. $\frac{1}{3}$
- B. $\frac{4}{3}$
- C. $\frac{5}{3}$
- D. 2

22. What is the integral of the function $f(x,y)$ over the curve C given by the parametric equations $x=t^{20}$, $y=t^{21}$ from $t=0$ to $t=1$?

- A. $\frac{1}{3}$
- B. $\frac{4}{3}$
- C. $\frac{5}{3}$
- D. 2

23. What is the integral of the function $f(x,y)$ over the curve C given by the parametric equations $x=t^2$, $y=t^2$ from $t=0$ to $t=1$?

- A. $1/3$
- B. $4/3$
- C. $5/3$
- D. 2

24. What is the integral of the function $f(x,y)$ over the curve C given by the parametric equations $x=t^2$, $y=t^3$ from $t=0$ to $t=1$?

- A. $1/3$
- B. $4/3$
- C. $5/3$
- D. 2

25. What is the integral of the function $f(x,y)$ over the curve C given by the parametric equations $x=t^3$, $y=t^4$ from $t=0$ to $t=1$?

- A. $1/3$
- B. $4/3$
- C. $5/3$
- D. 2

26. What is the integral of the function $f(x,y)$ over the curve C given by the parametric equations $x=t^4$, $y=t^5$ from $t=0$ to $t=1$?

- A. $1/3$
- B. $4/3$
- C. $5/3$
- D. 2

27. What is the integral of the function $f(x,y)$ over the curve C given by the parametric equations $x=t^5$, $y=t^6$ from $t=0$ to $t=1$?

- A. $1/3$
- B. $4/3$
- C. $5/3$
- D. 2

28. What is the integral of the function $f(x,y)$ over the curve C given by the parametric equations $x=t^6$, $y=t^7$ from $t=0$ to $t=1$?

- A. $1/3$
- B. $4/3$
- C. $5/3$
- D. 2

29. What is the integral of the function $f(x,y)$ over the curve C given by the parametric equations $x=t^7$, $y=t^8$ from $t=0$ to $t=1$?

- A. $1/3$
- B. $4/3$
- C. $5/3$
- D. 2

30. What is the integral of the function $f(x,y)$ over the curve C given by the parametric equations $x=t^8$, $y=t^9$ from $t=0$ to $t=1$?

- A. $\frac{1}{3}$
- B. $\frac{4}{3}$
- C. $\frac{5}{3}$
- D. 2

31. What is the integral of the function $f(x,y)$ over the curve C given by the parametric equations $x=t^2$, $y=t^3$ from $t=0$ to $t=1$?

- A. $\frac{1}{3}$
- B. $\frac{4}{3}$
- C. $\frac{5}{3}$
- D. 2

32. What is the integral of the function $f(x,y)$ over the curve C given by the parametric equations $x=t^3$, $y=t^4$ from $t=0$ to $t=1$?

- A. $\frac{1}{3}$
- B. $\frac{4}{3}$
- C. $\frac{5}{3}$
- D. 2

33. What is the integral of the function $f(x,y)$ over the curve C given by the parametric equations $x=t^4$, $y=t^5$ from $t=0$ to $t=1$?

- A. $\frac{1}{3}$
- B. $\frac{4}{3}$
- C. $\frac{5}{3}$
- D. 2

34. What is the integral of the function $f(x,y)$ over the curve C given by the parametric equations $x=t^5$, $y=t^6$ from $t=0$ to $t=1$?

- A. $\frac{1}{3}$
- B. $\frac{4}{3}$
- C. $\frac{5}{3}$
- D. 2

35. What is the integral of the function $f(x,y)$ over the curve C given by the parametric equations $x=t^6$, $y=t^7$ from $t=0$ to $t=1$?

- A. $\frac{1}{3}$
- B. $\frac{4}{3}$
- C. $\frac{5}{3}$
- D. 2

36. What is the integral of the function $f(x,y)$ over the curve C given by the parametric equations $x=t^7$, $y=t^8$ from $t=0$ to $t=1$?

- A. $\frac{1}{3}$
- B. $\frac{4}{3}$
- C. $\frac{5}{3}$
- D. 2

37. What is the integral of the function $f(x,y)$ over the curve C given by the parametric equations $x=t^8$, $y=t^9$ from $t=0$ to $t=1$?

- A. $\frac{1}{3}$
- B. $\frac{4}{3}$

- C. $\frac{5}{3}$
- D. 2

38. What is the integral of the function $f(x,y)$ over the curve C given by the parametric equations $x=t^3$, $y=t^3$ from $t=0$ to $t=1$?

- A. $\frac{1}{3}$
- B. $\frac{4}{3}$
- C. $\frac{5}{3}$
- D. 2

39. What is the integral of the function $f(x,y)$ over the curve C given by the parametric equations $x=t^3$, $y=t^3$ from $t=0$ to $t=1$?

- A. $\frac{1}{3}$
- B. $\frac{4}{3}$
- C. $\frac{5}{3}$
- D. 2

40. What is the integral of the function $f(x,y)$ over the curve C given by the parametric equations $x=t^3$, $y=t^3$ from $t=0$ to $t=1$?

- A. $\frac{1}{3}$
- B. $\frac{4}{3}$
- C. $\frac{5}{3}$
- D. 2

41. What is the integral of the function $f(x,y)$ over the curve C given by the parametric equations $x=t^3$, $y=t^3$ from $t=0$ to $t=1$?

- A. $\frac{1}{3}$
- B. $\frac{4}{3}$
- C. $\frac{5}{3}$
- D. 2

42. What is the integral of the function $f(x,y)$ over the curve C given by the parametric equations $x=t^3$, $y=t^3$ from $t=0$ to $t=1$?

- A. $\frac{1}{3}$
- B. $\frac{4}{3}$
- C. $\frac{5}{3}$
- D. 2

43. What is the integral of the function $f(x,y)$ over the curve C given by the parametric equations $x=t^3$, $y=t^3$ from $t=0$ to $t=1$?

- A. $\frac{1}{3}$
- B. $\frac{4}{3}$
- C. $\frac{5}{3}$
- D. 2

44. What is the integral of the function $f(x,y)$ over the curve C given by the parametric equations $x=t^3$, $y=t^3$ from $t=0$ to $t=1$?

- A. $\frac{1}{3}$
- B. $\frac{4}{3}$
- C. $\frac{5}{3}$
- D. 2

45. What is the integral of the function $f(x,y)$ over the curve C given by the parametric equations $x=t^4$, $y=t^4$ from $t=0$ to $t=1$?

- A. $1/3$
- B. $4/3$
- C. $5/3$
- D. 2

46. What is the integral of the function $f(x,y)$ over the curve C given by the parametric equations $x=t^4$, $y=t^5$ from $t=0$ to $t=1$?

- A. $1/3$
- B. $4/3$
- C. $5/3$
- D. 2

47. What is the integral of the function $f(x,y)$ over the curve C given by the parametric equations $x=t^5$, $y=t^6$ from $t=0$ to $t=1$?

- A. $1/3$
- B. $4/3$
- C. $5/3$
- D. 2

48. What is the integral of the function $f(x,y)$ over the curve C given by the parametric equations $x=t^6$, $y=t^7$ from $t=0$ to $t=1$?

- A. $1/3$
- B. $4/3$
- C. $5/3$
- D. 2

49. What is the integral of the function $f(x,y)$ over the curve C given by the parametric equations $x=t^7$, $y=t^8$ from $t=0$ to $t=1$?

- A. $1/3$
- B. $4/3$
- C. $5/3$
- D. 2

50. What is the integral of the function $f(x,y)$ over the curve C given by the parametric equations $x=t^8$, $y=t^9$ from $t=0$ to $t=1$?

- A. $1/3$
- B. $4/3$
- C. $5/3$
- D. 2

Answer Key:

- 1. C
- 2. A
- 3. D
- 4. B
- 5. C
- 6. D
- 7. B
- 8. C

9. D
10. B
11. C
12. D
13. B
14. C
15. D
16. B
17. C
18. D
19. B
20. C
21. D
22. B
23. C
24. D
25. B
26. C
27. D
28. B
29. C
30. D
31. B
32. C
33. D
34. B
35. C
36. D
37. B
38. C
39. D
40. B
41. C
42. D
43. B
44. C
45. D
46. B
47. C
48. D
49. B
50. C