

CUET Mathematics Answer Key 2024 (Set B)

Question No.	Answer Key
1	(3) skew symmetric matrix
2	(2) 64
3	(2) $x = 2, y = 1$
4	(3) -2
5	(2) $1/3$
6	(4) (A) - (IV), (B) - (III), (C) - (I), (D) - (II)
7	(3) 50
8	(4) 16 sq. units
9	(4) $1/18$
10	(2) $a = 2b$
11	(1) 0
12	(1) $(\pi/n) \log_e (x^n - 1)/x^n + C$
13	(4) $1/(a + b)$
14	(4) $5^x / (\log_e 5)^2$
15	(2) 2
16	(2) An equivalence relation
17	(4) $5/7$

18	(1) $\pi/3$
19	(1) 3
20	(2) There is one positive and one negative real value of x satisfying the above equation.
21	(3) 45
22	(2) $\log_{e^4} - \log_{e^3}$
23	(4) 180°
24	(4) (A) - (II), (B) - (I), (C) - (III), (D) - (IV)
25	(2) 6.6π
26	(1) $56\sqrt{3}ab$
27	(4) A
28	(2) (A) - (I), (B) - (IV), (C) - (III), (D) - (II)
29	(4) (A), (C), and (D) only
30	(1) 0
31	(2) (A) - (IV), (B) - (III), (C) - (II), (D) - (I)
32	(2) (A) and (D) only
33	(1) (A), (B), and (D) only
34	(3) Region C
35	(4) $16/3$ sq. units
36	(4) $e^x\sqrt{x} + C$

37	(4) $-2/\pi$
38	(2) $\begin{bmatrix} -2 & 4 & 2 \\ 2 & 1 \end{bmatrix}$, $\begin{bmatrix} 4 & 8 & -4 \end{bmatrix}$, $\begin{bmatrix} -1 & 2 & 1 \end{bmatrix}$
39	(4) (B), (C), and (D) only
40	(1) (A), (B), and (D) only
41	(1) $2/3$, $-1/3$, $2/3$
42	(2) (A) - (IV), (B) - (III), (C) - (II), (D) - (I)
43	(4) $\sin^2(a + y) / \sin a$
44	(4) $(-1/\sqrt{6})i + (2/\sqrt{6})j - (1/\sqrt{6})k$
45	(3) $(\sqrt{328}) / 7$
46	(3) odd and is strictly increasing in $(-\infty, \infty)$
47	(1) (A) and (C) only
48	(3) $2/7$
49	(3) 2, 3, -1
50	(3) 