

परमाणु ऊर्जा शिक्षा संस्था, मुंबई
Atomic Energy Education Society, Mumbai
Session: 2023 – 24

Class: IX

Subject: MATHEMATICS

WORKSHEET NO.- 1 – ANSWER KEY

Name of the Chapter: LINEAR EQUATIONS IN TWO VARIABLES (CHAPTER – 4)

1. (a)
2. (a)
3. (b)
4. (c)
5. (d)
6. (b)
7. (c)
8. (d)
9. (c)
10. (b)
11. $X+0y+3=0$; $a=1$, $B=0$, $C=3$
12. $2x - y - 10 = 0$; $a = 2$, $b = -1$, $c = -10$
13. Not a solution
14. $K=3$
15. $a=\sqrt{2}$, $b= \sqrt{3}$, $c=-5$
16. (0,-5)
17. (4,0)
18. Not a solution
19. 7
20. 4
21. (0, 0), (0, 1), (0, 2) and (0, 3) are the four solutions of the equation $x = 0$.
22. $6/1 - 3$
23. $8x - y + 7=0$
24. $-21/17$
25. $a=-2$, $b=0$, $c=5$
26. (0,7), (1,5), (2,3), (3,1)
27. Not a solution
28. $x=-5$
29. $4x-3y=21$
30. not a solution
31. (0,4)(1,3)(2,9/5), (3,7/5)
32. (0,4)(1,3)(2,2)(3,1)
33. Required solutions
34. Required solutions
35. $Y=3x$
36. 4
37. Required solutions
38. i.(b) $x+y=55$ ii. $X-2y=10$
39. b, a, d,d,b
40. $x-y=10$, $2x+3y=120$

