

परमाणु ऊर्जा शिक्षा संस्था , मुंबई
Atomic Energy Education Society, Mumbai

Session : 2023 – 24

Class: X

Subject: MATHEMATICS

WORKSHEET NO.- 1 : ANSWER KEY

Name of the Chapter : QUADRATIC EQUATION (CHAPTER 4)

1. c
2. d
3. a
4. d
5. a
6. a
7. d
8. b
9. d
10. a
11. $\frac{4}{9}$
12. $-\sqrt{3}$ or $-\frac{1}{3}\sqrt{3}$
13. Not a quadratic equation
14. It is a quadratic equation
15. $-3\sqrt{2}$ or $\sqrt{2}$
16. No real roots
17. Equal real roots
18. $\frac{7}{3}$ or $-\frac{3}{2}$
19. Distinct and real roots
20. $ab = 3$
21. 4
22. 12 or 14
23. $k \leq -4$ or $k \geq 4$
24. $2x^2 + x - 528 = 0$, $x^2 + x - 306 = 0$
25. $-\frac{1}{16}$, $\frac{1}{3}$
26. 12 or 4
27. Not a quadratic equation
28. $4 \pm \sqrt{19} / 3$
29. Real and distinct roots
30. 3
31. ₹30
32. 10m
33. -1 or q^2/p^2
34. 6, 7, 8
35. 30 days
36. $P = 7$ $k = \frac{7}{4}$
37. 25 or 30
38. 14 min
39. $\frac{3, 4}{3}$
40. 14 and 21