Unit 2B – Day 1 – Solving Practice

1. (-1, 0) and (3, 0) 2 rational roots

2. (-2, 0) and (-1, 0) 2 rational roots

3. (4, 0) and (5, 0) 2 rational roots

4. (1, 0) and (5, 0) 2 rational roots

5. (3, 0) and (-3, 0) 2 rational roots

6. (-4, 0) and (2, 0) 2 rational roots

7. (-3, 0) and $\left(\frac{1}{3}, 0\right)$ 2 rational roots

8. (4, 0) and (-4, 0) 2 rational roots

9. (9, 0) and (-9, 0) 2 rational roots

10. (-3, 0) and $\left(\frac{7}{2}, 0\right)$ 2 rational roots

11. (6, 0) and (-6, 0) 2 rational roots

12. $\left(-\frac{5}{2}, 0\right)$ and $\left(\frac{1}{3}, 0\right)$ 2 rational roots

13. (-1, 0) and (3, 0) 2 rational roots

14. (-2, 0) and (-1, 0) 2 rational roots

15. (-2, 0) 1 rational double root

16. (6, 0) and (-6, 0) 2 rational roots

17. $\left(\frac{3}{2}, 0\right)$ and $\left(-\frac{3}{2}, 0\right)$ 2 rational roots

18. $\left(2\sqrt{10}, 0\right)$ and $\left(-2\sqrt{10}, 0\right)$ 2 irrational roots

19. (-1, 0) and (13, 0) 2 rational roots

20. $\left(\frac{\sqrt{79}}{2}, 0\right)$ and $\left(-\frac{\sqrt{79}}{2}, 0\right)$ 2 irrational roots

21. $\left(16 + 2\sqrt{5}, 0\right)$ and $\left(16 - 2\sqrt{5}, 0\right)$ 2 irrational roots

22. (11, 0) and (-11, 0) 2 rational roots

23. (6, 0) and (-6, 0) 2 rational roots

24. $\left(5\sqrt{3}, 0\right)$ and $\left(-5\sqrt{3}, 0\right)$ 2 irrational roots

25. $\left(10\sqrt{3}, 0\right)$ and $\left(-10\sqrt{3}, 0\right)$ 2 irrational roots

26. (-4, 0) and (6, 0) 2 rational roots

27. $\left(7 + 3\sqrt{3}, 0\right)$ and $\left(7 - 3\sqrt{3}, 0\right)$ 2 irrational roots

28. (-2, 0) 1 rational double root

29. (-4, 0) and $\left(\frac{1}{2}, 0\right)$ 2 rational roots

30. (3, 0) and (7, 0) 2 rational roots