Solving Quadratic Equations by Completing the Square

Answers

1. $\{-3, 7\}$

2. $\{-2, 10\}$

3. $\{-15, -1\}$

4. $\{\pm 2\sqrt{10} - 9\}$

5. $\{3\}$

6. $\{5\}$

7. $\{\pm\sqrt{\frac{13}{8}} - 1\}$

8. $\{\pm\sqrt{11} - 12\}$

9. $\{\pm\sqrt{27} + 5\}$

10. $\{\pm\frac{\sqrt{129}}{2} - \frac{7}{2}\}$

11. $\{-4, 1\}$

12. $\{\pm\frac{\sqrt{73}}{8} - \frac{3}{8}\}$

13. $\{\pm 3\sqrt{7} + 9\}$

14. $\{\pm\frac{i\sqrt{6}}{2}\}$

15. $\{\pm i + 11\}$

16. $\{\pm i\sqrt{3} - 2\}$

17. $\{\frac{3 \pm \sqrt{209}}{5}\}$

18. $\{\frac{7 \pm \sqrt{53}}{2}\}$

19. $\{\pm\sqrt{409} + 20\}$

20. $\{\pm\sqrt{7} + 1\}$

21. $\{\pm\frac{i\sqrt{167}}{24} + \frac{5}{24}\}$

22. $\{\pm\frac{i\sqrt{179}}{6} - \frac{5}{6}\}$