



Quadratic Formula Worksheet

- | | | | |
|-----|--------------------------|-----|--------------------------|
| 1. | $5x^2 + -60x + 135 = 0$ | 13. | $-4x^2 + 28x + -48 = 0$ |
| 2. | $5x^2 + 70x + 240 = 0$ | 14. | $2x^2 + -14x + 20 = 0$ |
| 3. | $2x^2 + 12x + 0 = 0$ | 15. | $5x^2 + 10x + 25 = 0$ |
| 4. | $-4x^2 + 4x + -32 = 0$ | 16. | $-3x^2 + -12x + -12 = 0$ |
| 5. | $-4x^2 + -10x + -72 = 0$ | 17. | $5x^2 + 30x + -80 = 0$ |
| 6. | $-1x^2 + -8x + 0 = 0$ | 18. | $-2x^2 + -4x + 160 = 0$ |
| 7. | $5x^2 + -10x + 0 = 0$ | 19. | $-4x^2 + -36x + -32 = 0$ |
| 8. | $1x^2 + 13x + 40 = 0$ | 20. | $-4x^2 + 4x + 24 = 0$ |
| 9. | $4x^2 + 0x + -400 = 0$ | 21. | $3x^2 + -8x + 42 = 0$ |
| 10. | $4x^2 + 14x + 76 = 0$ | 22. | $-4x^2 + -48x + -80 = 0$ |
| 11. | $4x^2 + 16x + 68 = 0$ | 23. | $-5x^2 + -15x + 200 = 0$ |
| 12. | $2x^2 + 24x + 40 = 0$ | 24. | $3x^2 + 9x + -120 = 0$ |



Quadratic Formula Worksheet

- | | | | |
|-----|---------------------------|-----|--------------------------|
| 25. | $5x^2 + -10x + -40 = 0$ | 37. | $1x^2 + 2x + 19 = 0$ |
| 26. | $1x^2 + -3x + 2 = 0$ | 38. | $2x^2 + 24x + 54 = 0$ |
| 27. | $-2x^2 + 34x + -144 = 0$ | 39. | $2x^2 + -10x + 20 = 0$ |
| 28. | $-1x^2 + 9x + -20 = 0$ | 40. | $5x^2 + -10x + -175 = 0$ |
| 29. | $-5x^2 + 15x + 20 = 0$ | 41. | $-2x^2 + 16x + -32 = 0$ |
| 30. | $-5x^2 + 4x + -60 = 0$ | 42. | $4x^2 + -40x + 64 = 0$ |
| 31. | $5x^2 + 10x + -315 = 0$ | 43. | $4x^2 + -40x + 64 = 0$ |
| 32. | $5x^2 + -4x + 90 = 0$ | 44. | $-4x^2 + 8x + 12 = 0$ |
| 33. | $-2x^2 + 4x + 48 = 0$ | 45. | $3x^2 + -36x + 81 = 0$ |
| 34. | $1x^2 + -9x + 14 = 0$ | 46. | $3x^2 + 18x + -81 = 0$ |
| 35. | $-2x^2 + -6x + 8 = 0$ | 47. | $2x^2 + 6x + -108 = 0$ |
| 36. | $-5x^2 + -75x + -270 = 0$ | 48. | $-5x^2 + 12x + -75 = 0$ |



Quadratic Formula Worksheet

49. $-4x^2 + -12x + -52 = 0$

50. $-3x^2 + -24x + 0 = 0$



Quadratic Formula Worksheet

Answer Key

- | | | | |
|-----|----------------------|-----|----------------------|
| 1. | $x = 9, x = 3$ | 13. | $x = 4, x = 3$ |
| 2. | $x = -6, x = -8$ | 14. | $x = 5, x = 2$ |
| 3. | $x = -6, x = 0$ | 15. | <i>No real roots</i> |
| 4. | <i>No real roots</i> | 16. | $x = -2$ |
| 5. | <i>No real roots</i> | 17. | $x = 2, x = -8$ |
| 6. | $x = -8, x = 0$ | 18. | $x = 8, x = -10$ |
| 7. | $x = 2, x = 0$ | 19. | $x = -1, x = -8$ |
| 8. | $x = -8, x = -5$ | 20. | $x = 3, x = -2$ |
| 9. | $x = 10, x = -10$ | 21. | <i>No real roots</i> |
| 10. | <i>No real roots</i> | 22. | $x = -10, x = -2$ |
| 11. | <i>No real roots</i> | 23. | $x = 5, x = -8$ |
| 12. | $x = -10, x = -2$ | 24. | $x = -8, x = 5$ |



Quadratic Formula Worksheet

- | | | | |
|-----|----------------------|-----|----------------------|
| 25. | $x = -2, x = 4$ | 37. | <i>No real roots</i> |
| 26. | $x = 1, x = 2$ | 38. | $x = -3, x = -9$ |
| 27. | $x = 9, x = 8$ | 39. | <i>No real roots</i> |
| 28. | $x = 4, x = 5$ | 40. | $x = -5, x = 7$ |
| 29. | $x = -1, x = 4$ | 41. | $x = 4$ |
| 30. | <i>No real roots</i> | 42. | $x = 2, x = 8$ |
| 31. | $x = 7, x = -9$ | 43. | $x = 2, x = 8$ |
| 32. | <i>No real roots</i> | 44. | $x = -1, x = 3$ |
| 33. | $x = -4, x = 6$ | 45. | $x = 3, x = 9$ |
| 34. | $x = 7, x = 2$ | 46. | $x = 3, x = -9$ |
| 35. | $x = -4, x = 1$ | 47. | $x = -9, x = 6$ |
| 36. | $x = -9, x = -6$ | 48. | <i>No real roots</i> |



Quadratic Formula Worksheet

49.

No real roots

50.

$$x = -8, x = 0$$