

Using the Quadratic Formula

Solve, giving answers correct to 2 decimal places (where appropriate).

1. $2x^2 + 7x + 1 = 0$

2. $2x^2 - 7x + 1 = 0$

3. $x^2 - 7x + 1 = 0$

4. $x^2 - 7x - 1 = 0$

5. $2x^2 - 14x - 2 = 0$

6. $-2 - 14x + 2x^2 = 0$

7. $-14x + 2x^2 = 0$

8. $-2 + 2x^2 = 0$

9. $2x^2 = 2$

10. $2x^2 - 9x = -2$

11. $2x^2 = 9x - 2$

12. $9x - 2 = 2x^2$

13. $2 - 9x = 2x^2$

14. $2 - x = 2x^2$

15. $-2 + x = -2x^2$

16. $-2 + x = -2x^2 + 10$

17. $-2 + x = -2x^2 + 10 + 4x$

18. $-2 + x + 5x^2 = -2x^2 + 10 + 4x$

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Using the Quadratic Formula - ANSWERS

- | | |
|-------------------|-------------------|
| 1. $-3.35, -0.15$ | 10. $4.27, 0.23$ |
| 2. $3.35, 0.15$ | 11. $4.27, 0.23$ |
| 3. $6.85, 0.15$ | 12. $4.27, 0.23$ |
| 4. $7.14, -0.14$ | 13. $-4.71, 0.21$ |
| 5. $7.14, -0.14$ | 14. $-1.28, 0.78$ |
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| 7. $0, 7$ | 16. $-2.71, 2.21$ |
| 8. $-1, 1$ | 17. $3.31, -1.81$ |
| 9. $-1, 1$ | 18. $-1.11, 1.54$ |

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