

Solving Quadratic Equations**Super-Duper Solver _____**

Solve the following equations, using any method of your choice. Then write a complete sentence explaining why you used that method.

1. $2x^2 + 9x + 4 = 0$

Method:

Why did you choose your method?

2. $x^2 + 3x + 6 = 0$

Method:

Why did you choose your method?

3. $x^2 - 3x = -5$

Method:

Why did you choose your method?

4. $3x^2 + 75 = 0$

Method:

Why did you choose your method?

5. $3x^2 + x - 2 = 0$

Method:

Why did you choose your method?

6. $2(x + 5)^2 + 18 = 0$

Method:

Why did you choose your method?

7. $3x^2 + 11x + 10 = 0$

Method:

Why did you choose your method?

8. $6x^2 + x - 2 = 0$

Method:

Why did you choose your method?

9. $-4(x + 5)^2 - 44 = 0$

Method:

Why did you choose your method?

10. $3x^2 + 8x + 6 = 0$

Method:

Why did you choose your method?

11. $6x + 2x^2 = 5$

Method:

Why did you choose your method?

12. $16 + x^2 = 0$

Method:

Why did you choose your method?

13. $-4(x + 6)^2 - 100 = 0$

Method:

Why did you choose your method?

14. $6x + 2x^2 = -5$

Method:

Why did you choose your method?

15. $3x^2 + 6x + 4 = 0$

Method:

Why did you choose your method?