

Name

Classwork/Homework

Use the quadratic formula to solve the following equations.

① $x^2 + 8x + 6 = 0$

③ $x^2 - 2x - 30 = 0$

⑤ $7 = 13x - x^2$

~~✗~~ $x^2 = -14x - 12$

~~✗~~ $3x^2 + 10x + 5 = 0$

~~✗~~ $5x^2 + 5x - 7 = 0$

13. $2x^2 + 9x = -1$

15. $3x - 12 = -4x^2$

17. $2x^2 - 11 = 0$

19. $3x^2 + 0.75x - 1.5 = 0$

② $x^2 + 6x + 4 = 0$

④ $x^2 - 5x - 2 = 0$

⑥ $15x - x^2 = 5$

~~✗~~ $6x = x^2 + 3$

~~✗~~ $2x^2 + 8x + 5 = 0$

~~✗~~ $6x^2 - 2x - 3 = 0$

14. $-6x + 6x^2 = 8$

16. $10x^2 + 2x = 7$

18. $3x^2 - 6 = 0$

20. $0.1x^2 + 5x + 2.6 = 0$