

Name: _____

Name: _____

Quadratic Equations and Systems

Date: _____ Period: _____

Solve each equation by taking square roots.

1. $x^2 = 64$

2. $25x^2 = 81$

3. $x^2 + 4 = 49$

4. $x^2 - 3 = 27$

5. $3x^2 = 24 - 48x$

6. $3x^2 + 2 = 48x^2$

7. $-100 = 3x^2 + 400$

8. $3x^2 + 7 = 48x$

9. $4x^2 + 2 = 33x$

10. $-2 = 3y^2 + 18$

11. $3x^2 + 9 = 36$

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

13. $3x^2 - 27 = 24x$

14. $33y^2 - 2 = 438y$

15. $7y^2 + 28 = 210y$

16. $32 = 3x^2 + 432x$