

Practice 6.5.2
Solving Quadratic Equations
using Square Roots

Ringbloom

Algebra 2A

Name: _____ Hour: _____

Directions: Solve each equation. Leave answers in **radical form**, NO DECIMALS!!

1. $x^2 = 121$

5. $3x^2 = 108$

2. $x^2 = -4$

6. $3x^2 = -81$

3. $x^2 = -11$

7. $2x^2 + 5 = 41$

4. $x^2 = 90$

8. $2x^2 + 9 = -41$

9. $5x^2 + 18 = 3$

13. $\frac{v^2}{25} - 1 = 11$

10. $-x^2 - 12 = -87$

14. $6 - \frac{p^2}{8} = -4$

11. $7 - 10u^2 = 1$

15. $8r^2 + 7 = 5r^2 + 4$

12. $-x^2 - 4 = 14$

16. $3s^2 - 1 = 7s^2$