

Assignment
Simplifying Radicals and Solving Quadratics

Name _____
Period _____

Find the **exact** value (simplifying) for the following radicals

1. $\sqrt{18}$

2. $\sqrt{27}$

3. $\sqrt{45}$

4. $\sqrt{54}$

5. $\sqrt{63}$

6. $\sqrt{84}$

7. $\sqrt{60}$

8. $\sqrt{68}$

9. $\sqrt{20}$

10. $\sqrt{112}$

Solve each quadratic. Leave the solution in radical form (no decimal answers).

11. $x^2 - 6x + 4 = 0$

12. $x^2 - x - 10 = 0$

13. $2x^2 + 6x + 1 = 0$

14. $-x^2 + 6x + 4 = 0$