

Algebra 1 B**Unit 9 Objectives 4 and 5 Practice**

Name _____

Period _____ Date _____

Simplify each radical.

1. $\frac{\sqrt{270}}{\sqrt{6}}$

1. _____

2. $\sqrt{30} \cdot \sqrt{42}$

2. _____

3. $\frac{15}{2\sqrt{5}}$

3. _____

4. $\sqrt{250} \cdot 2\sqrt{5}$

4. _____

5. $\frac{2}{\sqrt{6}}$

5. _____

6. $\sqrt{\frac{1}{27}}$

6. _____

7. $3\sqrt{12} \cdot 5\sqrt{2}$

7. _____

8. $(4\sqrt{15})^2$

8. _____

9. $\frac{3\sqrt{5}}{\sqrt{8}}$

9. _____

10. $\sqrt{\frac{9}{50}}$

10. _____

11. $\sqrt{2}(\sqrt{6}-3)$

11. _____

12. $(3\sqrt{5})^2$

12. _____

13. $\frac{3}{\sqrt{3}}$

13. _____

14. $(-4\sqrt{3})(\sqrt{27})$

14. _____

15. $\sqrt{5}(\sqrt{5}+\sqrt{2})$

15. _____