

Name _____ Date _____ Pd _____

9.1 Simplifying Radical Expressions Conjugates DAY THREE Worksheet

Simplify each expression.

1. $\sqrt{28}$

2. $\sqrt{40}$

3. $\sqrt{72}$

4. $\sqrt{99}$

5. $\sqrt{2} \cdot \sqrt{10}$

6. $\sqrt{5} \cdot \sqrt{60}$

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

8. $\sqrt{6} \cdot 4\sqrt{24}$

9. $2\sqrt{3} \cdot 3\sqrt{15}$

10. $\sqrt{16b^4}$

11. $\sqrt{81a^2d^4}$

12. $\sqrt{40x^4y^6}$

13. $\sqrt{75m^5p^2}$

14. $\sqrt{\frac{5}{3}}$

$$15. \sqrt{\frac{1}{6}}$$

$$16. \sqrt{\frac{6}{7}} \cdot \sqrt{\frac{1}{3}}$$

$$17. \sqrt{\frac{q}{12}}$$

$$18. \sqrt{\frac{4h}{5}}$$

$$19. \sqrt{\frac{12}{b^2}}$$

$$20. \sqrt{\frac{45}{4m^4}}$$

$$21. \frac{2}{4 + \sqrt{5}}$$

$$22. \frac{3}{2 - \sqrt{3}}$$

$$23. \frac{5}{7 + \sqrt{7}}$$

$$24. \frac{4}{3 - \sqrt{2}}$$