

PLEASE SHOW ALL WORK FOR CREDIT

Simplifying Radical Expressions

Simplify each expression.

1. $\sqrt{28}$

3. $\sqrt{72}$

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

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

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

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

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

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

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

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

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

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