

CHAPTER
8

Name _____ Date _____

Quiz 2

For use after Lessons 8.3–8.4

Simplify the expression. Write your answer using only positive exponents.

1. $(8x)^3 \cdot 8^{-4}$

2. $2x^{-5} \cdot y^{-3}$

3. $(4x^4y^{-3})^{-2}$

4. $\frac{1}{(3x)^{-2}}$

Simplify the expression.

5. $\sqrt{49} \times \sqrt{3}$

6. $\sqrt{\frac{9}{100}}$

7. $6\sqrt{24} - 3\sqrt{24}$

8. $\sqrt{135}$

9. $\frac{y^3}{4 - \sqrt{1}}$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____