

Name _____ Period _____ Date _____

Algebra L6-7 Practice

Simplify. Leave all answer with positive exponents.

1. $4^{-3} \cdot 4^5$

2. $\frac{k^{-2}}{k^{-3}}$

3. $\left(\frac{x^8}{y^4}\right)^{-5}$

4. $\left(\frac{5b^{-3}}{b^4}\right)^2$

5. $\left(\frac{x^{-4}y^5}{x^{-4}y^0}\right)^{-3}$

6. $\left(\frac{14a^4c^{-2}}{6a^{-4}c^6}\right)^2$

Simplify each radical expressions as much as possible.

7. $\sqrt{80p^3}$

8. $\sqrt{147m^4n^3}$

9. $\sqrt[3]{-64v^2w^6}$

10. $\sqrt[3]{16a^5b^7}$