

Riddle
Algebra 2

Name _____
Date _____ Block _____

1. Express $\sqrt[11]{p^3}$ using rational exponents.

Simplify.

2. $256^{\frac{1}{4}}$

3. $32^{-\frac{3}{5}}$

4. $\left(\frac{36}{25}\right)^{\frac{1}{2}}$

5. $m^{\frac{3}{4}}n^{\frac{5}{2}}p^{\frac{9}{8}}$

6. $\frac{1}{3y^{\frac{5}{3}}}$

7. $\frac{5}{\frac{1}{x^2}-2}$

8. $(d^{\frac{2}{5}})^{\frac{15}{8}}$