

Radical +
Exponent

Notation

Name _____

Assignment

Write the expression in radical form

1) $y^{\frac{3}{2}}$

2) $(4a)^{\frac{5}{4}}$

3) $(5a^7)^{\frac{2}{5}}$

4) $m^{\frac{1}{3}}$

5) $(5y^4)^{\frac{1}{2}}$

6) $(3x^7y^3)^{\frac{1}{2}}$

Write the expression in exponential form

7) $\sqrt[3]{2p}$

8) $\sqrt[3]{9x^8y^7}$

9) $\sqrt{7x}$

10) $\sqrt{8x^9}$

11) $\sqrt{m^7}$

Write in exponential form and then simplify

12) $\sqrt[3]{b^{18}}$

13) $\sqrt[4]{a^4b^{12}}$

14) $\sqrt{m^4p^8}$

15) $\sqrt{x^6y^{10}}$