

Acad Algebra 2 Worksheet
Rational Exponents

Write each of the following expressions as a series of terms of the form ax^n .

1.) $3x\sqrt{x}$

2.) $\sqrt[3]{x} \cdot 6\sqrt[4]{x}$

3.) $\frac{7}{x^6}$

4.) $\frac{10\sqrt[3]{x}}{4x}$

5.) $\sqrt[3]{x}(4x^2 + 7x)$

6.) $\frac{12x^2 + 3x}{3\sqrt{x}}$

7.) $\frac{2x^3 - 5x + 7}{4x^2}$

8.) $(5 + \sqrt{x})(7 - \sqrt[3]{x})$