



Basic Derivatives - Negative Fractional Power with Coefficient as Radical (with Rule) to Rewrite

<p>1 Rewrite the function as a single power of x.</p> $\sqrt[n]{x^m} = x^{\frac{m}{n}}$ $f(x) = -\frac{4}{\sqrt[3]{x^2}}$ <p>A $-4x^{-3}$ B $-4x^{-\frac{3}{2}}$ C $-4x^{\frac{2}{3}}$ D $-4x^{-\frac{2}{3}}$</p>	<p>2 Rewrite the function as a single power of x.</p> $\sqrt[n]{x^m} = x^{\frac{m}{n}}$ $f(x) = -\frac{6}{\sqrt{x}}$	<p>A $-6x^{-2}$ B $-6x^{\frac{1}{2}}$ C $-6x^{-\frac{1}{2}}$</p>	
<p>3 Rewrite the function as a single power of x.</p> $\sqrt[n]{x^m} = x^{\frac{m}{n}}$ $f(x) = -\frac{9}{\sqrt{x}}$	<p>A $-9x^{-\frac{1}{2}}$ B $-9x^{\frac{1}{2}}$ C $-9x^{-2}$</p>	<p>4 Rewrite the function as a single power of x.</p> $\sqrt[n]{x^m} = x^{\frac{m}{n}}$ $f(x) = -\frac{8}{\sqrt{x}}$	<p>A $-8x^{\frac{1}{2}}$ B $-8x^{-\frac{1}{2}}$ C $-8x^{-2}$</p>
<p>5 Rewrite the function as a single power of x.</p> $\sqrt[n]{x^m} = x^{\frac{m}{n}}$ $f(x) = -\frac{2}{\sqrt{x^3}}$ <p>A $-2x^{-2}$ B $-2x^{-\frac{3}{2}}$ C $-2x^{-\frac{2}{3}}$ D $-2x^{\frac{3}{2}}$</p>	<p>6 Rewrite the function as a single power of x.</p> $\sqrt[n]{x^m} = x^{\frac{m}{n}}$ $f(x) = -\frac{2}{\sqrt[3]{x}}$	<p>A $-2x^{\frac{1}{3}}$ B $-2x^{-3}$ C $-2x^{-\frac{1}{3}}$</p>	
<p>7 Rewrite the function as a single power of x.</p> $\sqrt[n]{x^m} = x^{\frac{m}{n}}$ $f(x) = \frac{4}{\sqrt[3]{x^4}}$ <p>A $4x^{-3}$ B $4x^{\frac{4}{3}}$ C $4x^{-\frac{4}{3}}$</p> <p>D $4x^{-\frac{3}{4}}$</p>	<p>8 Rewrite the function as a single power of x.</p> $\sqrt[n]{x^m} = x^{\frac{m}{n}}$ $f(x) = \frac{6}{\sqrt[3]{x^2}}$	<p>A $6x^{-3}$ B $6x^{-\frac{3}{2}}$ C $6x^{\frac{2}{3}}$</p> <p>D $6x^{-\frac{2}{3}}$</p>	