



## Basic Derivatives - Negative Fractional Power as Radical to Rewrite

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