



Basic Derivatives - Negative Integer Power as Division to Derivative

<p>1 Find the derivative $f'(x)$ using the power rule.</p> $f(x) = \frac{1}{x^1}$	<p>A $f'(x) = -x^{-2}$</p>	<p>B $f'(x) = -1$</p>	<p>2 Find the derivative $f'(x)$ using the power rule.</p> $f(x) = \frac{1}{x^2}$	<p>A $f'(x) = -2x^{-2}$</p>	<p>B $f'(x) = -2x^{-1}$</p>
	<p>C $f'(x) = x^{-2}$</p>	<p>D $f'(x) = -x^{-1}$</p>		<p>C $f'(x) = x^{-3}$</p>	<p>D $f'(x) = -2x^{-3}$</p>
<p>3 Find the derivative $f'(x)$ using the power rule.</p> $f(x) = \frac{1}{x^4}$	<p>A $f'(x) = -4x^{-4}$</p>	<p>B $f'(x) = -4x^{-3}$</p>	<p>4 Find the derivative $f'(x)$ using the power rule.</p> $f(x) = \frac{1}{x^3}$	<p>A $f'(x) = -3x^{-2}$</p>	<p>B $f'(x) = x^{-4}$</p>
	<p>C $f'(x) = -4x^{-5}$</p>	<p>D $f'(x) = x^{-5}$</p>		<p>C $f'(x) = -3x^{-3}$</p>	<p>D $f'(x) = -3x^{-4}$</p>
<p>5 Find the derivative $f'(x)$ using the power rule.</p> $f(x) = \frac{1}{x^5}$	<p>A $f'(x) = -5x^{-6}$</p>	<p>B $f'(x) = x^{-6}$</p>			
	<p>C $f'(x) = -5x^{-4}$</p>	<p>D $f'(x) = -5x^{-5}$</p>			