



Basic Derivatives - Negative Integer Power with Coefficient as Division to

Rewrite

1 Rewrite the function as a single power of x.

A	B	C
$2x^{-1}$	$2x$	$-2x^{-1}$

$$f(x) = \frac{2}{x^1}$$

2 Rewrite the function as a single power of x.

$$f(x) = -\frac{6}{x^1}$$

A	B	C
$-6x^{-1}$	$-6x$	$6x^{-1}$

3 Rewrite the function as a single power of x.

A	B	C
$-7x^{-1}$	$7x^{-1}$	$7x$

$$f(x) = \frac{7}{x^1}$$

4 Rewrite the function as a single power of x.

A	B	C
$-3x^{-1}$	$3x^{-1}$	$3x$

$$f(x) = \frac{3}{x^1}$$

5 Rewrite the function as a single power of x.

A	B	C
$-3x^{-3}$	$3x^{-3}$	$3x^{-\frac{1}{3}}$
D		
$3x^3$		

$$f(x) = \frac{3}{x^3}$$

6 Rewrite the function as a single power of x.

$$f(x) = -\frac{8}{x^1}$$

A	B	C
$-8x$	$-8x^{-1}$	$8x^{-1}$

7 Rewrite the function as a single power of x.

A	B	C
$8x^{-3}$	$8x^3$	$-8x^{-3}$
D		
$8x^{-\frac{1}{3}}$		

$$f(x) = \frac{8}{x^3}$$

8 Rewrite the function as a single power of x.

A	B	C
$7x^{-3}$	$7x^3$	$7x^{-\frac{1}{3}}$
D		
$-7x^{-3}$		

$$f(x) = \frac{7}{x^3}$$