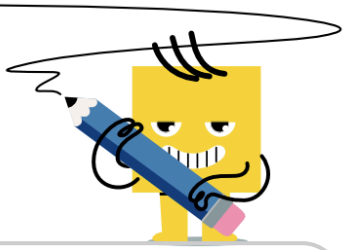
Name



Basic Derivatives - Negative Integer Power to Derivative

1 Find the derivative f'(x) using the power rule.

$$f(x) = x^{-3}$$

A	$f'(x) = -3x^{-4}$	B	$f'(x) = -3x^{-3}$
C	$f'(x) = -3x^{-2}$	D	$f'(x) = x^{-4}$

2 Find the derivative f'(x) using the power rule.

$$f(x) = x^{-1}$$

A	$f'(x) = -x^{-1}$	B	$f'(x) = -1$
C	$f'(x) = x^{-2}$	D	$f'(x) = -x^{-2}$

3 Find the derivative f'(x) using the power rule.

$$f(x) = x^{-5}$$

A	$f'(x) = -5x^{-4}$	B	$f'(x) = x^{-6}$
C	$f'(x) = -5x^{-6}$	D	$f'(x) = -5x^{-5}$

4 Find the derivative f'(x) using the power rule.

$$f(x) = x^{-4}$$

A	$f'(x) = -4x^{-4}$	B	$f'(x) = -4x^{-5}$
C	$f'(x) = -4x^{-3}$	D	$f'(x) = x^{-5}$

5 Find the derivative f'(x) using the power rule.

$$f(x) = x^{-2}$$

A	$f'(x) = x^{-3}$	B	$f'(x) = -2x^{-3}$
C	$f'(x) = -2x^{-2}$	D	$f'(x) = -2x^{-1}$