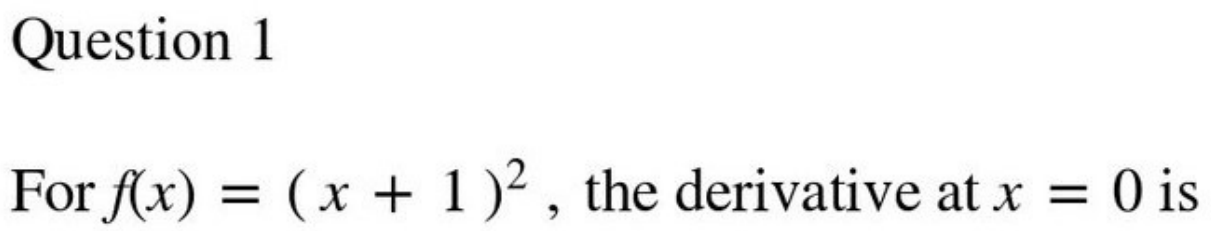
Derivatives: Polynomial and Trigonometric Functions, Product, Quotient, and Chain Rules, 10-question test — Practice Test

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

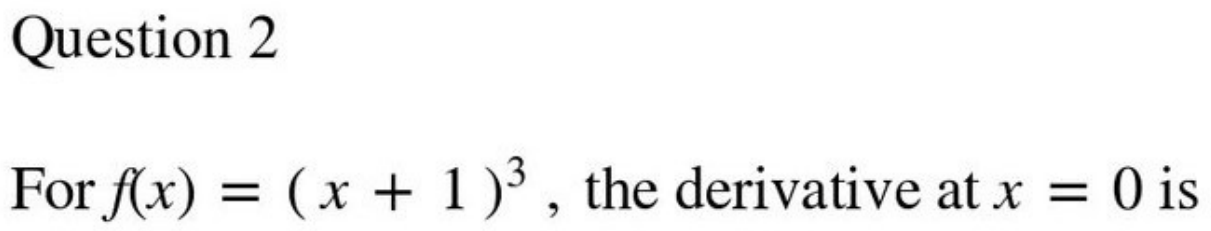
1 **For f(x) equals (x plus 1) to the power 2, the derivative at x equals 0 is**



ANSWER _____

Understand It with Pulse | Flag a mistake

2 **For f(x) equals (x plus 1) to the power 3, the derivative at x equals 0 is**



ANSWER _____

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3 **For f(x) equals (x plus 1) to the power 4, the derivative at x equals 0 is**

Question 3

For $f(x) = (x + 1)^4$, the derivative at $x = 0$ is

ANSWER

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4 **For f(x) equals (x plus 1) to the power 5, the derivative at x equals 0 is**

Question 4

For $f(x) = (x + 1)^5$, the derivative at $x = 0$ is

ANSWER

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5 **For f(x) equals (x plus 1) to the power 6, the derivative at x equals 0 is**

Question 5

For $f(x) = (x + 1)^6$, the derivative at $x = 0$ is

ANSWER

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6 **For f(x) equals (x plus 1) to the power 7, the derivative at x equals 0 is**

Question 6

For $f(x) = (x + 1)^7$, the derivative at $x = 0$ is

ANSWER

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7 **For f(x) equals sin(2x), the derivative at x equals 0 is**

Question 7

$For\ f(x) = \sin(2x)\ ,\ the\ \text{derivative}\ at\ x = 0\ is$

ANSWER

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8 **For f(x) equals sin(3x), the derivative at x equals 0 is**

Question 8

$For\ f(x) = \sin(3x)\ ,\ the\ \text{derivative}\ at\ x = 0\ is$

ANSWER

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9 **For f(x) equals sin(4x), the derivative at x equals 0 is**

Question 9

$For\ f(x) = \sin(4x)\ ,\ the\ \text{derivative}\ at\ x = 0\ is$

ANSWER

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10 **For f(x) equals sin(5x), the derivative at x equals 0 is**

Question 10

$For\ f(x) = \sin(5x)\ ,\ the\ \text{derivative}\ at\ x = 0\ is$

ANSWER

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ANSWER KEY

1. 2
2. 3
3. 4
4. 5
5. 6
6. 7
7. 2
8. 3
9. 4
10. 5

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