

QUESTIONS

QUESTION 1 (10 points)

Consider the following function $f: \mathbb{R} \rightarrow \mathbb{R}$ defined by $f(x) = x^2 + 2x + 1$.

1. Compute the derivative of f at $x = 1$.
2. Compute the derivative of f at $x = -1$.
3. Compute the derivative of f at $x = 0$.

QUESTION 2 (10 points)

Consider the function $f: \mathbb{R} \rightarrow \mathbb{R}$ defined by $f(x) = x^2 + 2x + 1$. Compute the derivative of f at $x = 1$.

QUESTION 3 (10 points)

Consider the function $f: \mathbb{R} \rightarrow \mathbb{R}$ defined by $f(x) = x^2 + 2x + 1$. Compute the derivative of f at $x = 1$.

QUESTION 4 (10 points)

Consider the function $f: \mathbb{R} \rightarrow \mathbb{R}$ defined by $f(x) = x^2 + 2x + 1$. Compute the derivative of f at $x = 1$.

QUESTION 5 (10 points)

Consider the function $f: \mathbb{R} \rightarrow \mathbb{R}$ defined by $f(x) = x^2 + 2x + 1$. Compute the derivative of f at $x = 1$.

Answer:

Answer:

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QUESTION 6 (10 points)

Consider the function $f: \mathbb{R} \rightarrow \mathbb{R}$ defined by $f(x) = x^2 + 2x + 1$. Compute the derivative of f at $x = 1$.

QUESTION 7 (10 points)

Consider the function $f: \mathbb{R} \rightarrow \mathbb{R}$ defined by $f(x) = x^2 + 2x + 1$. Compute the derivative of f at $x = 1$.


Signature:
Date: