

# Differentiation

**11/10/24 – Class 3e**

# What is Differentiation?

- Define what Differentiation means in your lesson.
- Pose some introductory questions or prompts.

1. Question 1: Is  $\sqrt{3}$  a surd?
2. Question 2: Is  $\sqrt{4}$  a surd?
3. Question 3: Is  $\sqrt{99}$  a surd?

# Key Facts about Differentiation

- **Fact 1:** [Insert description]
- **Fact 2:** [Insert description]
- **Fact 3:** [Insert description]

# Additional Information

- Explain further details or techniques regarding Differentiation.
- Include inline math as needed, e.g.,  $\sqrt{2}$ ,  $\frac{a}{b}$ .

# Worked Examples

## 1. Example 1:

- Step 1: Explanation with inline math (e.g.,  $\sqrt{a \times b} = \sqrt{a}\sqrt{b}$ ).
- Step 2: Further breakdown.

## 2. Example 2:

- Detailed steps here.

# Let's Try

- Demonstrate a worked example on the board.
  - **Problem:** [Insert problem statement]
  - **Solution Outline:** [Provide hints or steps]

# Now You Try

- **Activity:** Instructions for student work.
  - "Front side of worksheet" or "Time: Remainder of the hour".

# Recap

- Summarize the essential points about Differentiation.
- Review key facts, rules, and methods covered.