**Сложение и вычитание
алгебраических дробей с
одинаковыми знаменателями**

1. При каких значениях x дробь $\frac{x^2 - 4}{x^2 + 2x - 3}$ не имеет смысла?

2. Сократить дроби: а) $\frac{x^2 - 9}{x^2 - 6x + 9}$

б) $\frac{x^2 - 4}{x^2 - 2x}$

в) $\frac{x^2 - 1}{x^2 - 2x + 1}$

3. Привести дроби к одинаковому наименьшему знаменателю

$$\frac{x^2 - 4}{x^2 - 2x} \quad \frac{x^2 - 1}{x^2 - 2x + 1}$$

1. The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that proper record-keeping is essential for ensuring the integrity and reliability of financial data. This section also outlines the various methods and tools used to collect and analyze data, highlighting the need for consistency and precision in data entry and reporting.

2. The second part of the document focuses on the role of technology in modern data management. It explores how advanced software solutions and cloud-based platforms have revolutionized the way organizations store, access, and analyze their data. This section also discusses the challenges associated with data security and privacy, and offers strategies to mitigate these risks while maximizing the benefits of digital data management.

The image displays a musical score for a string quartet, consisting of four staves. The notation is dense and includes various musical symbols such as notes, rests, and bar lines. The score is written in a standard musical notation style, with the first staff likely representing the first violin, the second the second violin, the third the viola, and the fourth the cello and double bass. The notation includes a variety of note values, rests, and bar lines, indicating a complex and rhythmic piece of music. The overall appearance is that of a professional musical manuscript.

В классе: § 3, № 2,4,5,7 (аб)

Домашнее задание: § 3, № 2,4,5,7 (аб)

1. Докажите, что выражение

$$\frac{a^2 + 2a + 1}{a^2 - 4} \cdot \frac{a^2 - 2a + 1}{a^2 + 2a + 1} \cdot \frac{a^2 - 4}{a^2 - 2a + 1}$$

при всех значениях $a \neq 2$ принимает
положительные значения.

2. Представьте в виде суммы или разности
целого выражения и дроби дробь:

а) $\frac{a^2 + 3a + 2}{a^2 - 4}$

б) $\frac{a^2 - 5a + 6}{a^2 - 4}$

в) $\frac{a^2 + 2a + 1}{a^2 - 4}$