

Inequality Calculator



Let's solve the inequation

$$5x^2 + 3x - 8 > 3$$

The critical points of inequality:

$$5x^2 + 3x - 8 = 3$$

$$5x^2 + 3x - 8 - 3 = 3 - 3 \quad (\text{Subtract 3 from both sides})$$

$$5x^2 + 3x - 11 = 0$$

For this equation: $a=5$, $b=3$, $c=-11$

$$5x^2 + 3x + -11 = 0$$

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a} \quad (\text{Plug the coefficients into the quadratic formula})$$

$$x = \frac{-(3) \pm \sqrt{(3)^2 - 4(5)(-11)}}{2(5)}$$

$$x = \frac{-3 \pm \sqrt{229}}{10}$$

$$x = \frac{-3}{10} + \frac{1}{10} \sqrt{229} \quad \text{or} \quad x = \frac{-3}{10} + \frac{-1}{10} \sqrt{229}$$

Now we must determine the intervals where the inequality is correct.

$$x < \frac{-3}{10} + \frac{-1}{10} \sqrt{229} \quad (\text{All values in this interval satisfy the inequality})$$

$$\frac{-3}{10} + \frac{1}{10} \sqrt{229} < x < \frac{-3}{10} + \frac{1}{10} \sqrt{229} \quad (\text{This interval does not satisfy the inequality})$$

Inequalities On A Calculator Key Tesccc

IM Harris



Inequalities On A Calculator Key Tesccc:

Decoding **Inequalities On A Calculator Key Tesccc**: Revealing the Captivating Potential of Verbal Expression

In a time characterized by interconnectedness and an insatiable thirst for knowledge, the captivating potential of verbal expression has emerged as a formidable force. Its power to evoke sentiments, stimulate introspection, and incite profound transformations is genuinely awe-inspiring. Within the pages of "**Inequalities On A Calculator Key Tesccc**," a mesmerizing literary creation penned with a celebrated wordsmith, readers attempt an enlightening odyssey, unraveling the intricate significance of language and its enduring impact on our lives. In this appraisal, we shall explore the book's central themes, evaluate its distinctive writing style, and gauge its pervasive influence on the hearts and minds of its readership.

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