

Inequality with two absolute value expressions.

Task. Solve the inequality the $|x - 1| - 6|x + 2| < -2$

Hints

1. Divide the solution into 3 cases by indicating the appropriate intervals.
2. In each case change the inequality with the absolute value to an inequality without the absolute value
3. In each case solve the inequality.
4. In each case find the common part of the solution set and the interval in which the inequality was solved .
5. Find the union of all three sets of solutions.
6. Write the answer.