Solve the following inequality:

\[ 4x^2 + 11x + 6 < 0 \quad x_1 < x < x_2 \]

\[ x_1 < x_2 \]

\[ 4x^2 + 11x + 6 = 0 \]

\[ (4x + 3)(x + 2) = 0 \]

\[ x = -\frac{3}{4} \quad \text{or} \quad x = -2 \]

\[ -2 < x < -\frac{3}{4} \]