Name Keyy Per ____

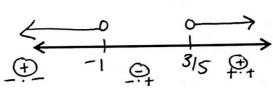
LT #8: Quadratic Systems.

Solve by region testing and graph the following quadratic inequality on a number line. Show all work! Write your answer in set notation. (4 pts)

1.
$$5x^2 + 2x - 3 > 0$$

*\(\(5\times - 3\)\(\times + 1\) > 0
 $(5x - 3)(5x - 3)(5x - 1)$

Greator



2. Solve the system of quadratics by substitution.

$$\begin{array}{lll}
y = x^2 - 2x - 3 & y = 2(0) - 3 \\
y = 2x - 3 & y = 0 - 3
\end{array}$$

$$2x - 3 = x^2 - 2x - 3 & y = 0 - 3$$

$$0 = x^2 - 4x & y = -3$$

$$0 = x(x - 4) & y = 2(4) - 3$$

$$x = 0 \quad x = 4 & = 8 - 3$$

yes. you need the

Need to write as

/8