## Solving Rational Inequalities

-Combine everything into one fraction (common denominator).
-Find the zeros of the numerator and the denominator.
-Use these zeros as your cutpoints.
-Determine if the rational expression is positive or negative for each interval determined by the cutpoints.
-Carefully determine if each cutpoint is or is not a solution.

Example:
Solve the following inequality

$$
\frac{x+1}{x-2} \leq 0
$$

Example:
Solve the following inequality

$$
\frac{2}{x+1} \frac{3}{x}>\frac{3}{x}
$$

Example:
Solve the following inequality

$$
\frac{1}{x}<4
$$

