

Solving Rational Inequalities HW

Name: _____

1) $\frac{x+5}{4x} > 3$

2) $\frac{x-5}{3x} < 3$

3) $3 < \frac{3x+4}{2x+1}$

4) $\frac{-1}{2} \geq \frac{1}{x-4}$

5) $\frac{1}{x} \leq x - 1$

6) $\frac{x-2}{x-1} \geq 2x$

7) $2x + 1 \geq \frac{1}{2x+1}$

8) $\frac{x+1}{x-1} + \frac{2}{x} \geq 1$

9) $\frac{t}{t-1} - \frac{2}{t+1} \leq \frac{5}{t^2-1}$

10) $x - 4 \leq \frac{5}{x}$