Honors Alg 2

Name_____

Rational Inequalities

Solve each inequality.

1) $\dfrac{x+2}{x+6} \geq 0$

2) $\dfrac{x-5}{x-4} < 0$

3) $\dfrac{x-3}{x-6} > 0$

4) $\dfrac{-x-7}{2x-10} \geq 1$

5) $\dfrac{4x-119}{5x-25} > 3$

Rational Inequalities

Solve each inequality.

1) $\dfrac{x+2}{x+6} \geq 0$

$(-\infty, -6) \cup [-2, \infty)$

2) $\dfrac{x-5}{x-4} < 0$

$(4, 5)$

3) $\dfrac{x-3}{x-6} > 0$

$(-\infty, 3) \cup (6, \infty)$

4) $\dfrac{-x-7}{2x-10} \geq 1$

$[1, 5)$

5) $\dfrac{4x-119}{5x-25} > 3$

$(-4, 5)$