

## Rational Inequalities

1.  $\frac{4x}{x-6} < 1$

2.  $\frac{3x}{x-3} < 1$

3.  $\frac{3x}{x-4} - 2 < 0$

4.  $\frac{5}{x^2-2x-15} > 0$

5.  $\frac{1}{x^2+2x-8} > 0$

$$6. \frac{1}{3} - \frac{2}{x^2} < \frac{5}{3x}$$

$$7. \frac{4}{x^2} + \frac{1}{2} < \frac{3}{x}$$

$$8. \frac{1}{3} + \frac{6}{x^2} < \frac{3}{x}$$