Nonlinear Inequalities

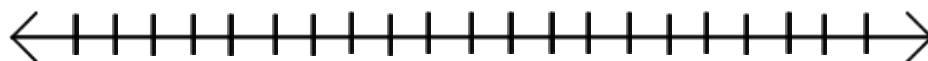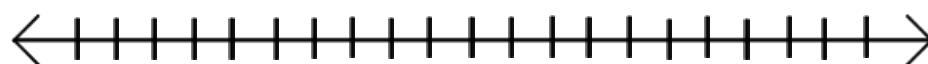Solve the inequality. Then graph the solution set. (Sign chart method)
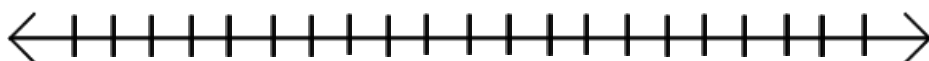
$$\frac{x - 1}{(2x + 3)(x - 4)} < 0$$

Solve the inequality. Then graph the solution set.
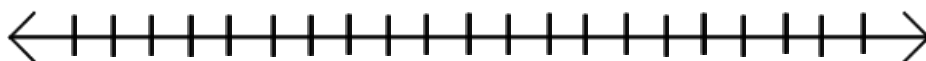
$$\frac{x + 12}{x + 2} \geq 3$$

Solve the inequality. Then graph the solution set.

$$\frac{5}{x-6} > \frac{3}{x+2}$$

Solve the inequality. Then graph the solution set.

$$\frac{3x}{x-1} \le \frac{x}{x+4} + 3$$

Section 2.7b

Pg. 185-187: #41-51 odd, 57, 59, 71-74, 77, 82