Linear Inequalities in One
Variable1. Write each inequality using
interval notation. Graph the
inequality:
 $-2 < x \le 4$ 2. Write each inequality using
interval notation. Graph the
inequality:
x < 33. Write each interval as an
inequality involving x. Graph each
inequality:
[5,9)

4. Write each interval as an inequality involving x. Graph each inequality:

$$(-3,\infty)$$

 Solve each linear inequality.
Express your solution using setbuilder notation and interval notation. Graph the solution set.

 $7x - 2 \le 19$

6. Solve each linear inequality.Express your solution using setbuilder notation and interval notation. Graph the solution set.

-3x - 2 < 13

7. Solve each linear inequality.Express your solution using setbuilder notation and interval notation. Graph the solution set.

$4x + 6 \ge 2x - 10$

 8. Solve each linear inequality.
Express your solution using setbuilder notation and interval notation. Graph the solution set.

-2(x-7)+5x < 8(x+1)-5

 Solve each linear inequality.
Express your solution using setbuilder notation and interval notation. Graph the solution set.

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

 Solve each linear inequality.
Express your solution using setbuilder notation and interval notation. Graph the solution set.

$$\frac{3}{4} - \frac{1}{8}x > -3$$