

NAME \_\_\_\_\_

HW # \_\_\_\_\_

**Remember:**

- 1) Solve like an "equation"
- 2) Use properties of inequality
- 3) Represent the solution set graphically

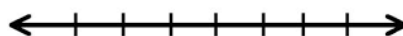
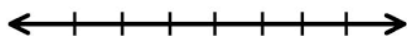
> greater than	○
< less than	○
≥ greater than or equal to	●
≤ less than or equal to	●

Solve each inequality and graph the solution.

1.  $x - 8 < 13$

2.  $5y > -25$

3.  $2p + 7 \leq -39$



4.  $-12 > x - 2$

5.  $\frac{2}{3}a - 5 \geq 8$

6.  $\frac{m}{10} + 9.4 \leq -3.3$



7.

**ERROR ANALYSIS** Describe and correct the error in solving the inequality.

✗

$\frac{x}{3} + 4 < 6$

$x + 4 < 18$

$x < 14$