

**Module:** Solving Linear Inequalities  
**Lesson:** Solving Compound Inequalities

Name:  
Date:  
Period:

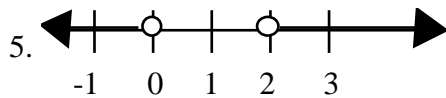
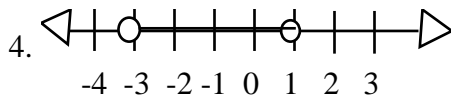
**Homework:**  
**Graph the solution set of each compound inequality.**

1.  $m \geq -5$  and  $m < 3$

2.  $s < 3$  or  $s \geq 1$

3.  $w > -3$  and  $w < 1$

**Write a compound inequality for each solution set shown below.**



**Solve each compound inequality. Then graph the solution set.**

6.  $4m - 5 > 7$  or  $4m - 5 < -9$

7.  $y + 6 \geq -1$  and  $y - 2 < 4$

8.  $10 - 2p > 12$  and  $7p < 4p + 9$

9.  $4 < 2x - 2 \leq 10$

10.  $3n + 10 \leq 13$  or  $2n \geq 5n - 12$