

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

Pick 3  
1.  $-6t - 3 < -2t - 19$

2.  $-3(m - 4) < 6$

3.  $4(1 - x) < 16$

4.  $2y \leq -3$

**Solve each inequality.**

Pick 3  
7.  $2(k + 4) - 3k \leq 14$

8.  $3(4c - 5) - 2c > 0$

9.  $15(j - 3) + 3j < 45$

10.  $22 \geq 5(2y + 3) - 3y$

**Write a compound inequality that represents each phrase. Graph the solution.**

1. all real numbers that are less than  $-3$  or greater than or equal to  $5$

2. The time a cake must bake is between  $25$  minutes and  $30$  minutes, inclusive.

**Solve each compound inequality. Graph your solution.**

3.  $5 < k - 2 < 11$

4.  $-4 > y + 2 > -10$

5.  $6b - 1 \leq 41$  or  $2b + 1 \geq 11$

6.  $-x - 1 > 3x + 1$

**Write a compound inequality that each graph could represent.**



3. Solve the compound inequality  $-2(x + 1) < 4$  and  $4x + 1 \leq -3$ . Graph the solution.

4. Solve  $-3(2x - 5) > -6x + 9$ .

5. Solve  $4x - 5 < 2(2x - 3)$ .