Inequalities and More on Inequalities

1. 6x – 12 = 10(x – 4)

2. Solve for n.

3. Solve the equation:

4. i(6 - 3i)²

5. (6 + 7i)(6 – 7i)

6.

7. 3 |4x – 10| + 20 = 26

8. Solve: 2 ≥ (3 – 2x) > -4  
  
  
*Solve the following inequalities. Graph and express as interval.*  
  
9.

10.

11.

12. 2|-11 – 7x| - 2 > 0

13. What is x < 3 and x > -5 as an interval? 14. What is x > 2 or x < -5 as an interval?  
  
  
15. Express in terms of intervals: 12x² ≥ 3x 16. |8x – 1| < 6

17. (x – 2)(x + 3)(4 – x) ≤ 0 18. -3x² < -21x + 3