

## Unbalanced Inequalities Recording Sheet

Solve the inequality by any method. Show all work. Match cards to check. Fill in the correct numeric answer and graph for each inequality.

Problem	Numeric Solution	Number Line Graphic Solution
1. $9 + 5x > 54$		
2. $2x - 4 \leq 30$		
3. $12x + 4 > -32$		
4. $2x - 15 < 25$		
5. $8 - 3x > -7$		
6. $9 - x > 11$		
7. $8x + 3 \leq 75$		
8. $11x - 7 < 114$		
9. $2 - 4x > -22$		
10. $3x + 4 \leq 2x - 6$		
11. $10x - 7 \geq 2x + 25$		
12. $2 - 4x < 2x - 46$		
13. $10 - 10x > 10$		
14. $14 - 2x - 4x \geq -136$		
15. $39 - 4x + 5x < 1$		
16. $-11 - x - 2x \geq 88$		
17. $-18 - x - x < 40$		
18. $22 - 3x > -2x - 11$		
19. $2x - 9 + 4x > 9x + 39$		
20. $\frac{1}{2}(4x - 8) < \frac{1}{3}(3x + 9)$		