

Inequalities

Solving Inequalities That Included Negatives

Name: _____

Directions: Solve each inequality.

1. $5x - 4 \geq 26$

2. $-7x + 2 \geq 23$

3. $-8x + 9 \leq -71$

4. $x - 12 > 34$

5. $-9 + x < 19$

6. $-x + 3 > 24$

7. $-4x - 10 \leq 10$

8. $9x - 8 \geq -26$

9. $9x - 9 \geq -18$

10. $\frac{x}{12} - 8 < -5$

11. $-\frac{x}{18} + 9 < 7$

12. $14 - x > 2$

13. $-x + 8 \leq 24$

14. $-5x - 11 < 29$

15. $\frac{x}{-3} + 6 < -2$

16. $9x - 7 \geq -106$

17. $\frac{x}{9} + 7 < 10$

18. $x - 9 \leq -4$

19. $\frac{x}{-5} + 9 < 12$

20. $24 + x \geq -6$

21. $-15x - 4 > 41$

22. $9 - x \geq 15$

23. $-x + 12 < 20$

24. $12x - 9 \geq -69$