

Name:

Date:

Period:

On a separate piece of paper, solve each inequality and graph on the number line.

1. Solve and graph: $3 < -5n + 2n$

3. Solve and graph: $-p - 4p > -10$

5. Solve and graph: $9 \geq -2m + 2 - 3$

7. Solve and graph: $6 - 4(6n + 7) \geq 122$

9. Solve and graph: $167 < 6 + 7(2 - 7r)$

11. Solve and graph: $-8x + 2x - 16 < -5x + 7x$

13. Solve and graph: $a - 6 \leq 15 + 8a$

15. Solve and graph: $-5n - 6n \leq 8 - 8n - n$

17. Solve and graph: $-5n + 6 \geq -7(5n - 6) - 6n$

19. Solve and graph: $28 - k \geq 7(k - 4)$

21. Solve and graph: $-6(1 + 7k) + 7(1 + 6k) \leq -2$

23. Solve and graph: $3(1 - 2x) > 3 - 6x$

2. Solve and graph: $6x + 2 + 6x < 14$

4. Solve and graph: $18 \geq 5k + 4k$

6. Solve and graph: $-3 - 6(4x + 6) > -111$

8. Solve and graph: $-138 \geq -6(6b - 7)$

10. Solve and graph: $5(6 + 3r) + 7 \geq 127$

12. Solve and graph: $-1 - 6x - 6 > -11 - 7x$

14. Solve and graph: $13 + 2v - 8 + 6 > -7 - v$

16. Solve and graph: $-x < -x + 7(x - 2)$

18. Solve and graph: $3(p - 3) - 5p > -3p - 6$

20. Solve and graph: $28 - 7x \leq -4(-7x - 7)$

22. Solve and graph: $-2(2 - 2x) - 4(x + 5) \leq -24$

24. Solve and graph: $-2(5 + 6n) < 6(8 - 2n)$