

Practice 4-6**Absolute Value Equations and Inequalities**

Solve each inequality. Graph your solution.

1. $|d| > 2$

2. $|2k| > 8$

3. $|s + 4| > 2$

4. $|3c - 6| \geq 3$

5. $|2n + 3| \leq 5$

6. $\left| \frac{2}{3}x \right| \leq 4$

7. $|4y + 11| < 7$

8. $|j| - 2 \geq 6$

9. $5 > |v + 2| + 3$

10. $|2n - 1| \geq 1$

11. $\left| \frac{1}{2}x + 1 \right| > 1$

12. $-2|h - 2| > -2$

13. $3|s - 4| + 21 \leq 27$

14. $-6|w - 3| < -24$

15. $2|3j| - 8 \leq -20$

Solve each equation. If there is no solution, write *no solution*.

16. $|a| = 9.5$

17. $|b| = -2$

18. $|6z| + 3 = 21$

19. $|3c| - 45 = -18$

20. $-2 = -\frac{|z|}{7}$

21. $-4|7 + d| = 44$