

Special Functions Review - Solve Absolute Value Equations and Inequalities

SOLVE AND CHECK!

1. $-2|m - 3| + 8 = -24$

2. $5|3x + 7| = -65$

3. $|2x + 12| = 7x - 3$

4. $2|2x - 7| + 11 = 25$

5. $|7x - 2| = x + 4$

6. $\frac{5}{8}|5m - 4| = 10$

7. $\left|\frac{2y-7}{5}\right| = 1$

8. $\left|\frac{3x+1}{4}\right| = 7$

9. $3|x + 6| = 9x - 6$

10. $|x - 4| = 3x$

11. $5|3x - 4| = x + 1$

12. $|2(3 - 5x)| = 21$

13. $\left|\frac{x-3}{2}\right| + 2 < 6$

14. $5 < |x + 3| \leq 7$

15. $0 < |1 - x| < 8$

16. $|x + 5| + 2 \leq 3x$