Solve a linear absolute value equation.

1. $|3x - 8| > 14$

2. $|-10x + 7| > 37$

3. $|2 + 4x| > 2$

4. $|2x + 6| > 24$

5. $|5x + 6| \geq 46$

6. $|3 - x| < 7$

7. $|3x - 2| \geq -11$

8. $|-8x + 8| < 48$

9. $|3 + 8x| < -21$

10. $|6 - 2x| \leq -18$

11. $|5 + 6x| \geq 19$

12. $|7x - 4| > 67$