

Solve the following equations and inequalities.

1. $|x + 2| = 5$

2. $|5 - x| = 4$

3. $|3 - 2x| = 11$

4. $|x + 6| \leq 10$

5. $|2x - 3| \leq 7$

6. $1 + |2x + 5| < 19$

7. $|x + 3| > 6$