

## Independent Practice 1: Absolute Value Equations

Solve the following problems dealing with absolute value equations.

1.  $3 = |3x - 2| + 1$

2.  $9 = |3x + 1|$

3.  $|5x + 8| = 7$

4.  $-2 = |x + 6|$

5.  $1 = |2x - 7|$

6.  $4 = |8 + 3x|$

7.  $|4 + 3x| = 3$

8.  $5 = |x + 4|$

9.  $|2x + 7| + 3 = 5$

10.  $3 = |3x + 8|$

11.  $-4 = |2x - 3|$

12.  $6 = |1 + 2x|$

13.  $x + 3 = |3x + 1|$

14.  $5 = |2x - 6|$

15.  $|1 + 2x| = 3$

16.  $-2 = |x - 3|$

17.  $5 = |3 + 2x|$

18.  $2 = |3x - 6|$

19.  $7 = |5x + 3|$

20.  $3 = |2x - 4|$