

Name: \_\_\_\_\_

Score: \_\_\_\_\_

**Solve the Absolute Value Equation**

T2ES2

Solve each equation.

1) $ 1 + x  = 7$	2) $ -x + 3  = 5$	3) $- 2 - x  = -6$
Solution =	Solution =	Solution =
4) $ -x + 3  = 4$	5) $ x - 1  = 11$	6) $ x - 3  = 2$
Solution =	Solution =	Solution =
7) $ x + 7  = 9$	8) $ x - 9  = 4$	9) $ x - 1  = 10$
Solution =	Solution =	Solution =
10) $ x + \frac{2}{3}  = 4$	11) $ x - 1  = 10$	12) $ x - 1  = 10$
Solution =	Solution =	Solution =
13) $ x - 2  = 3$	14) $ x - 2  = 3$	15) $ x - 2  = 3$
Solution =	Solution =	Solution =
16) $ -x + 1  = 6$	17) $ x + 3  = \frac{1}{4}$	18) $ x + 2  = 5$
Solution =	Solution =	Solution =

**PREVIEW**

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Name: \_\_\_\_\_

Answer key

Score: \_\_\_\_\_

## Solve the Absolute Value Equation

T2ES2

1)  $|1 + x| = 7$

Solution =  $\{-8, 6\}$

2)  $|-x + 3| = 5$

Solution =  $\{-2, 8\}$

3)  $-|2 - x| = -6$

Solution =  $\{-4, 8\}$

4)  $|-x + 3| = 4$

Solution =  $\{-1, 7\}$

5)  $|4 + x| = 11$

# PREVIEW

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6)  $\left|x + \frac{3}{4}\right| = 2$

Solution =  $\{-\frac{11}{4}, \frac{5}{4}\}$

7)  $|x + 7| = 9$

Solution =  $\{-9, 18\}$

Solution =  $\{-16, 2\}$

10)  $\left|x + \frac{2}{3}\right| = 4$

Solution =  $\{5, 13\}$

Solution =  $\{-\frac{14}{3}, \frac{10}{3}\}$

13)  $|x - 2| = 3$

Solution =  $\{-1, 10\}$

Solution =  $\{-1, 5\}$

16)  $|-x + 1| = 6$

Solution =  $\{-5, 7\}$

Solution =  $\{-19, 3\}$

17)  $|x + 3| = \frac{1}{4}$

Solution =  $\{-\frac{11}{4}, -\frac{13}{4}\}$

Solution =  $\{2, 3\}$

18)  $|x + 2| = 5$

Solution =  $\{-7, 3\}$