



## ABSOLUTE VALUE EQUATIONS WORKSHEET

**Directions** Solve the following absolute value equations.

1.  $|x + 2| = 10$

2.  $|x - 5| = 23$

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

4.  $|2x + 3| = 7$

5.  $|3x - 6| = 12$

6.  $-|4x - 2| = -10$

7.  $|2.5x + 4.1| = 8.1$

8.  $|2x - 6| = 5$



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### ANSWERS

1. 8 or -12
2. 28 or -18
3. -12 or 26
4. 2 or -5
5. 6 or -2
6. 3 or -2
7. 1.6 or -4.88
8.  $\frac{11}{2} = 5\frac{1}{2} = 5.5$   
or  
 $\frac{1}{2} = 0.5$