

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

Date \_\_\_\_\_

Topic: Absolute Value Equations - Worksheet 1

Solve the following problems dealing with absolute value equations.

1.  $6 = |2 + 4x|$

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

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

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

5.  $|4 + 8x| = 4$

6.  $12 = |3x + 9|$

7.  $3 = |x + 6|$

8.  $9 = |3x + 3|$

9.  $6 = |3x - 12|$

10.  $3 = |3x + 6|$



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Topic: Absolute Value Equations - Worksheet 2

Solve the following problems dealing with absolute value equations.

1.  $9 = |3 + 6x|$

2.  $-4 = |8x - 4|$

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

4.  $10 = |5 + 5x|$

5.  $|3 + 6x| = 3$

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

7.  $4 = |x + 2|$

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

9.  $8 = |4x - 2|$

10.  $4 = |2x + 8|$



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Topic: Absolute Value Equations - Worksheet 3

Solve the following problems dealing with absolute value equations.

1.  $8 = |2 + 4x|$

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

3.  $15 = |5x + 5|$

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

5.  $|2 + 4x| = 6$

6.  $9 = |3x + 12|$

7.  $8 = |x + 4|$

8.  $4 = |2x + 2|$

9.  $5 = |3x - 2|$

10.  $16 = |4x + 12|$



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Topic: Absolute Value Equations - Worksheet 4

Solve the following problems dealing with absolute value equations.

1.  $5 = |3 + 2x|$

2.  $-8 = |2x - 4|$

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

4.  $6 = |3 + 2x|$

5.  $|3 + 6x| = 9$

6.  $10 = |2x + 6|$

7.  $4 = |x + 3|$

8.  $6 = |3x + 9|$

9.  $7 = |2x - 5|$

10.  $12 = |6x + 2|$



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Topic: Absolute Value Equations - Worksheet 5

Solve the following problems dealing with absolute value equations.

1.  $6 = |4 + 4x|$

2.  $-9 = |3x - 6|$

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

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

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

6.  $5 = |3x + 4|$

7.  $7 = |x + 2|$

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

9.  $6 = |3x - 15|$

10.  $9 = |4x + 5|$

