

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. $9 = |4x + 5|$

