

Name: _____

Date _____

Topic : Absolute Value Equations - Worksheet 1

Solve the following problems dealing with absolute value equations.

1. $8 = |4 + 6x|$

2. $-3 = |6x - 12|$

3. $9 = |3x + 15|$

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

5. $|2 + 14x| = 2$

6. $7 = |14x + 2|$

7. $5 = |x + 20|$

8. $3 = |3x + 18|$

9. $6 = |4x - 10|$

10. $4 = |9x + 6|$



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Topic : Absolute Value Equations - Worksheet 2

Solve the following problems dealing with absolute value equations.

1. $9 = |3 + 8x|$

2. $-5 = |15x - 2|$

3. $7 = |15x + 19|$

4. $10 = |30 + 20x|$

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

6. $15 = |5x + 10|$

7. $4 = |x + 36|$

8. $2 = |2x + 22|$

9. $12 = |6x - 72|$

10. $18 = |3x + 54|$



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Topic : Absolute Value Equations - Worksheet 3

Solve the following problems dealing with absolute value equations.

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

2. $-12 = |12x - 6|$

3. $8 = |16x + 9|$

4. $20 = |15 + 3x|$

5. $|7 + 9x| = 22$

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

7. $9 = |x + 45|$

8. $17 = |9x + 34|$

9. $15 = |3x - 30|$

10. $21 = |18x + 3|$



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Topic : Absolute Value Equations - Worksheet 4

Solve the following problems dealing with absolute value equations.

1.	$11 = 5 + 3x $	2.	$-13 = 10x - 7 $
3.	$15 = 11x + 12 $	4.	$8 = 12x + 16 $
5.	$ 13 + 14x = 24$	6.	$16 = 20x + 32 $
7.	$7 = x + 21 $	8.	$19 = 7x + 5 $
9.	$4 = 18x - 2 $	10.	$5 = 20x + 10 $



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Topic : Absolute Value Equations - Worksheet 5

Solve the following problems dealing with absolute value equations.

1. $20 = |8 + 16x|$

2. $-14 = |24x - 6|$

3. $2 = |18x + 5|$

4. $10 = |16x + 18|$

5. $|3 + 12x| = 9$

6. $24 = |18x + 16|$

7. $18 = |x + 54|$

8. $16 = |4x + 4|$

9. $12 = |9x - 48|$

10. $8 = |19x + 48|$

