

Name: _____

Date _____

Topic : Absolute Value Inequalities - Worksheet 1

Solve the following problems.

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 Inequalities – Worksheet 2

Solve the following problems.

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

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

3. $7 > |21x + 4|$

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 Inequalities - Worksheet 3

Solve the following problems.

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 Inequalities - Worksheet 4

Solve the following problems.

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 Inequalities - Worksheet 5

Solve the following problems.

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 $

