

2-Step Inequalities - Practice Worksheet

Name: _____ Date: _____

Instructions: Solve each inequality. Show your work step by step. Remember to flip the inequality sign if you multiply or divide by a negative number. Write your answer as an inequality and graph it on the number line provided.

1. $x + 3 > 7$
.....

2. $x - 5 \leq 2$
.....

3. $2x < 10$
.....

4. $3x - 1 \geq 8$
.....

5. $x/2 + 4 > 6$
.....

6. $-2x + 1 < 9$
.....

7. $5x - 3 \leq 12$
.....

8. $-3x + 6 \geq -3$
.....

9. $x/4 - 2 > 1$
.....

10. $-x/3 + 5 \leq 8$
.....

Answer Key

1. $x > 4$

2. $x \leq 7$

3. $x < 5$

4. $x \geq 3$

5. $x > 4$

6. $x > -4$

7. $x \leq 3$

8. $x \leq 3$

9. $x > 12$

10. $x \geq -9$