

Inequalities - Practice Worksheet

Name: _____ Date: _____

Instructions: Solve each inequality for the variable. Write your answer in inequality form and graph it on a number line where indicated. Show all steps.

1. $x + 5 > 9$
.....

2. $x - 3 \leq 7$
.....

3. $2x < 14$
.....

4. $x / 4 \geq 3$
.....

5. $3x + 2 > 11$
.....

6. $5x - 4 \leq 16$
.....

7. $-2x > 8$
.....

8. $4x - 7 \geq 2x + 5$
.....

9. $-3x + 6 < -9$
.....

10. $2(x + 3) \leq 4x - 2$
.....

Answer Key

1. $x > 4$

2. $x \leq 10$

3. $x < 7$

4. $x \geq 12$

5. $x > 3$

6. $x \leq 4$

7. $x < -4$ (flip the sign when dividing by -2)

8. $x \geq 6$

9. $x > 5$

10. $x \geq 4$