

Name _____

Inequalities Practice

Solve each inequality.

1. $8w + 7 > 5$

2. $x - 2 < 3x - 4$

3. $\frac{c}{5} \geq -12$

4. $3 - \frac{2}{3}x > 5$

5. $6(4 - x) \leq 18$

6. $8 < w + 3 < 10$

7. $6m - 15 \leq 9$ or $10m > 84$

8. $37 < 3c + 7 < 43$

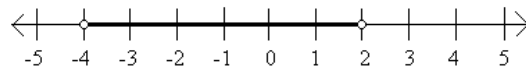
9. $-5m > 35$ or $-4m - 7 < -47$

10. $21(m - 5) + 20(18m + 39) \leq -87$

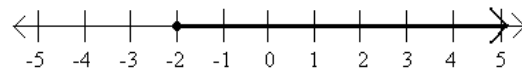
11. $24 + 7(8 - 26r) > 10(21r + 8)$

Write the inequality or compound inequality for each graph.

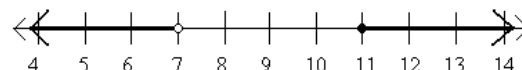
12. _____



13. _____



14. _____



Name _____

Inequalities Practice Answers

Solve each inequality.

1. $8w + 7 > 5$

$$w > -\frac{1}{4}$$

2. $x - 2 < 3x - 4$

$$x > 1$$

3. $\frac{c}{5} \geq -12$

$$c \geq -60$$

4. $3 - \frac{2}{3}x > 5$

$$x < -3$$

5. $6(4 - x) \leq 18$

$$x \geq 1$$

6. $8 < w + 3 < 10$

$$5 < w < 7$$

7. $6m - 15 \leq 9$ or $10m > 84$

$$m \leq 4 \text{ or } m > 8.4$$

8. $37 < 3c + 7 < 43$

$$10 < c < 12$$

9. $-5m > 35$ or $-4m - 7 < -47$

$$m < -7 \text{ or } m > 10$$

10. $21(m - 5) + 20(18m + 39) \leq -87$

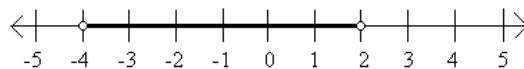
$$m \leq -2$$

11. $24 + 7(8 - 26r) > 10(21r + 8)$

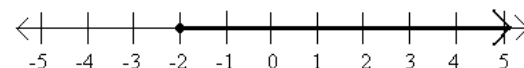
$$r < 0$$

Write the inequality or compound inequality for each graph.

12. $-4 < x < 2$



13. $x \geq -2$



14. $x < 7$ or $x \geq 11$

