

NAME _____

Period _____

Solving Two-Step Inequalities

- Directions. solve the inequalities below. Graph the solutions on a number line. You need to label at least three numbers on the number line. If your answer is not an integer, leave it as a fraction in lowest terms.

[Example]

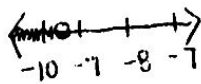
1. $-15 > 4 + 2a$

$-4 \quad -4$

$-\frac{19}{2} > \frac{2a}{2}$

$-\frac{19}{2} > a$

$a < -\frac{19}{2}$



2. $7x + 18 > -3$

3. $4x - 4 \leq 12$

4. $10n - 10 < 6$

5. $\frac{9}{7} + 1 > -5$

6. $12 < 8 + 2n$

7. $-12 > -12 + 5d$

8. $-6 > 3r - 18$

9. $\frac{3x + 6}{2} \leq 12$

$$10. -10 > 19 + 2y$$

$$11. -9n + 24n + 45 > 0$$

$$12. \frac{4x-2}{5} \geq -4$$

$$13. 4 \leq 4n - 8$$

$$14. 12 \leq n - 8$$

$$15. 2(t+3) \geq 16$$

$$16. 3(d-2) - 2d > 16$$

$$17. 4h - 2(h-1) < 8$$

$$18. 3(2y-4) - 2(y+1) > 10$$