

Name _____

Two-Step Inequalities Worksheet 1

Solve each inequality.

1. $2x + 5 > 17$

2. $5 + 12b < 41$

3. $\frac{y}{3} - 4 \leq 6$

4. $\frac{m}{-8} + 2 \geq 8$

5. $-3h - 7 < -34$

6. $28 < 11x - 5$

7. $12 - k \geq 23$

8. $30 > \frac{n}{2} - 12$

9. $12f - 8 > 52$

10. $12 - \frac{x}{3} \geq 16$

11. $\frac{r}{-5} - 6 \leq 2$

12. $10 - 6k \leq -44$

13. $-8w + 14 < -42$

14. $5y - 14 > 21$

15. $4d + 15 > 35$

16. $-7w + 9 < -19$

17. $\frac{x}{4} + 1 \geq 6$

18. $40 \geq 6v - 8$

19. $4 - 9n \leq -32$

20. $\frac{h}{9} - 12 < -15$

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Two-Step Inequalities Worksheet 1 Answers

Solve each inequality.

1. $2x + 5 > 17$

$$x > 6$$

2. $5 + 12b < 41$

$$b < 3$$

3. $\frac{y}{3} - 4 \leq 6$

$$y \leq 30$$

4. $\frac{m}{-8} + 2 \geq 8$

$$m \leq -48$$

5. $-3h - 7 < -34$

$$h > 9$$

6. $28 < 11x - 5$

$$x > 3$$

7. $12 - k \geq 23$

$$k \leq -11$$

8. $30 > \frac{n}{2} - 12$

$$n < 84$$

9. $12f - 8 > 52$

$$f > 5$$

10. $12 - \frac{x}{3} \geq 16$

$$x \leq -12$$

11. $\frac{r}{-5} - 6 \leq 2$

$$r \geq -40$$

12. $10 - 6k \leq -44$

$$k \geq 9$$

13. $-8w + 14 < -42$

$$w > 7$$

14. $5y - 14 > 21$

$$y > 7$$

15. $4d + 15 > 35$

$$d > 5$$

16. $-7w + 9 < -19$

$$w > 4$$

17. $\frac{x}{4} + 1 \geq 6$

$$x \geq 20$$

18. $40 \geq 6v - 8$

$$v \leq 8$$

19. $4 - 9n \leq -32$

$$n \geq 4$$

20. $\frac{h}{9} - 12 < -15$

$$h < -27$$