Linear Inequalities: Worksheet

Algebra · Worksheet for https://jugami.com/algebra/linear-inequalities/ · For instant feedback, try the self-guided quiz online.

Name _____ Date _____

Solve each one on paper. Show your steps, and remember to flip the sign when you multiply or divide by a negative.

1. $x + 6 \le 2$

Answer: _____

2. $4x > -28$

Answer: _____

3. $-3x \ge 21$

Answer: _____

4. $-x/5 < 2$

Answer: _____

5. $2x + 9 < 3$

Answer: _____

6. $8 - 3x \leq 2$

Answer: _____

7. $3(x - 4) > 5x - 6$

Answer: _____

8. $5x + 2 \geq 2x - 10$

Answer: _____

9. $x/3 - 1 < x/4 + 1$

Answer: _____

10. $3(x + 1) < 3x - 2$

Answer: _____

11. $-4(x - 2) \geq -4x + 1$

Answer: _____

12. $-5 < 2x + 1 \leq 9$

Answer: _____

13. $4 - x > 6$ or $3x - 2 \geq 10$

Answer: _____

14. Maya has $40 and saves $12 a week. She needs at least $220 for a bike. How many weeks must she save? Use w.

Answer: _____

Bonus

A little extra practice with the same skills.

15. $3x - 4 > 8$

Answer: _____

16. $5 - 2x \geq 11$

Answer: _____

17. $1 \leq 3x - 2 < 10$

Answer: _____