

Linear Functions Review

Solving Inequalities and Graphing Linear Inequalities

Solve each inequality. Then check your solution.

1. $2(t+3) \geq 16$

2. $6y+10 > 8-(y+14)$

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

4. $0.3(y-2) > 0.4(1+y)$

5. $3n+8 \leq 2(n-4)-2(1-n)$

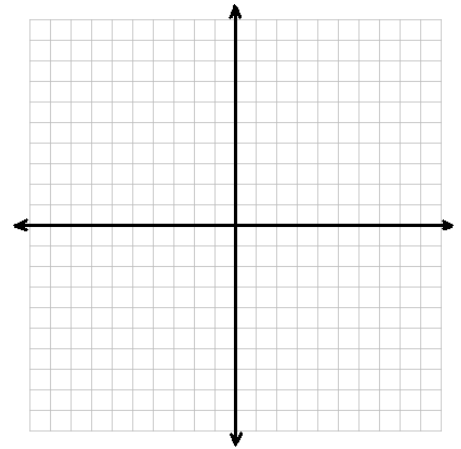
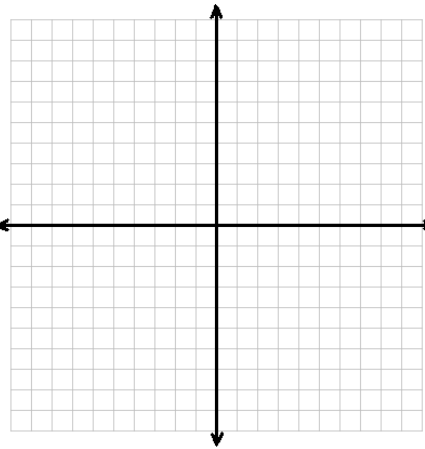
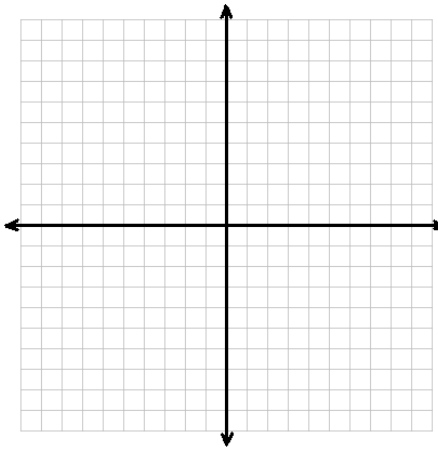
6. $k-17 \leq -(17-k)$

Graph each inequality.

7. $2y-x < -4$

8. $2x-2y \geq 8$

9. $3y > 2x-3$



Define a variable, write an inequality, and solve each problem. Then check your solution.

10. Twice the sum of a number and 4 is less than 12.

11. Three times the sum of a number and six is greater than four times the number decreased by two.