

Classwork: Solve each inequality. Then check your solution.

1. $2m + 7 > 17$

2. $-2 - 3x \geq 2$

3. $7x - 1 < 26 - 2x$

4. $2x + 5 < 3x - 7$

5. $\frac{2x - 3}{5} < 7$

6. $9r + 15 \geq 24 + 10r$

7. $4y + 2 < 8y - (6y - 10)$

8. $5(2h - 6) - 7(h + 7) > 4h$

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

9. Two thirds of a number decreased by 27 is at least 9.

10. The sum of two consecutive odd integers is at most 123. Find the pair with the greatest sum.