

Show your work.

Solve each inequality. Graph your solution on a number line. **State your answer in interval notation.**

1. $4n - 5(n - 3) > 3(n + 1) - 20$

2. $20\left(\frac{1}{5} - \frac{y}{4}\right) \geq -2y$

3. $36 \leq 11 - 5x \leq 66$

4. $12 + 4n > 44$ or $10 - 12n > -38$

5. $|-4 + 5x| = 16$

6. $-2|7 - 3y| - 6 < -14$

7. $3 + 4|3x + 7| \geq -89$