

Day 10 Alg 3-4 Homework

Solve each inequality and then graph its solution on a number line

1. $-5(5x + 2) - 8x \geq 19 - 4x$

2. $-6(2x - 3) + 6x < -8x + 6$

3. $8(x + 4) < 20 - 4x$

4. $29 + 7x \leq -8(x + 8) + 3$

5. $-7x - 31 \geq -2(6x - 2)$

6.

Sketch the solution to each system of inequalities on a separate sheet of graph paper

7. $y \leq -5x + 3$
 $y \leq x - 3$

8. $y < x - 3$
 $y < x + 1$