

Assignment #26: Review of Inequalities and Linear Systems

Problems

Find the solution set and graph on a number line.

1. a. $2(3x+8) - 3 \leq 9$ b. $x^2 - 6 > 3$

Solve for both variables by linear combinations.

2. a. $7x + -3y = -24$ $6x + 1y = -17$ b. $19x + -5y = 13$ $6x + -3y = -3$

Solve for both variables by substitution. Show carefully what you are substituting.

3. a. $-5x + -5y = 0$ $x + -3y = 12$ b. $8x + y = -11$ $-8x + -6y = -14$