Solving Algebra Inequalities Worksheet

I. Solving Basic Inequalities

Solve the following inequalities and graph the solution on a number line.

1. $2x-5>7$

Solution:

Graph:

2. $3(x+2)\leq15$

Solution:

Graph:

II. Solving Compound Inequalities

Solve the following compound inequalities and graph the solution on a number line.

3. $-2\leq3x-4<5$

Solution:

Graph:

4. $4<2x+1\leq9$

Solution:

Graph: