

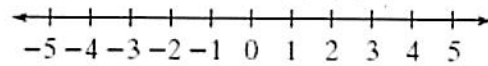
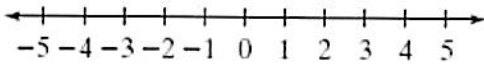
Name _____ Class _____ Date _____

Solving Two-Step Inequalities Worksheet

Solve each inequality. Graph the solutions on a number line.

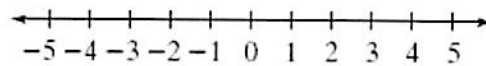
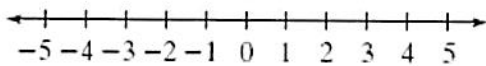
1. $5x + 2 \leq 17$ ($x \leq 3$)

2. $21 \leq 3 + 9x$ ($2 \leq x$)



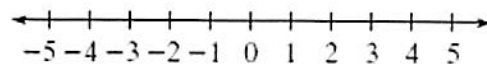
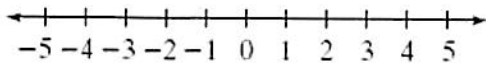
3. $9 - x > 10$ ($x < -1$)

4. $27 \leq 7x + 6$ ($3 \leq x$)



5. $2x - 5 > 1$ ($x > 3$)

6. $-2x - 3 \leq -5$ ($x \geq 1$)



Solve each inequality.

7. $9x - 7 \leq 38$ ($x \leq 5$) 8. $3 < \frac{x}{2} + 1$ ($4 < x$) 9. $-8x + 18 > -22$ ($x < 5$)
10. $50 < 8 - 6x$ ($7 > x$) 11. $-\frac{x}{5} + 6 > -3$ ($x < 45$) 12. $30 \geq -30 - 6x$ ($-10 \leq x$)
13. $15 - 5k \geq 0$ ($k \leq 3$) 14. $3 - \frac{x}{3} > -4$ ($x < 21$) 15. $-2x - 14 \leq 86$ ($x \geq -50$)
16. $11w + 6 \geq 182$ ($w \geq 16$) 17. $\frac{x}{5} - 11 \geq -14$ ($x \geq -15$) 18. $7 < 4q - 9$ ($4 < q$)