# Algebra 2           1.6 Solving Linear Inequalities
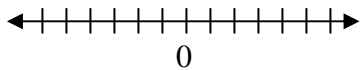
Name:_____Per:_____Date:_____
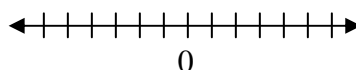
**Show _ALL_ work on this handout.**

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**Graph the inequality on a number line.**
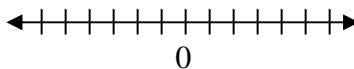
| 15. $-4 < x \le 4$ | 18. $x > 4$ or $x \le 4$ |
|---|---|

**Decide whether the given number is a solution of the inequality.**

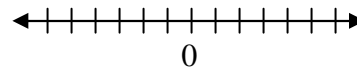| 20. $10 - x \ge 3;\ 7$ | 24. $-8 < x - 11 < -6;\ 5$ |
|---|---|

**Solve the inequality. Then graph your solution.**

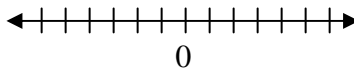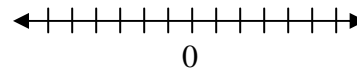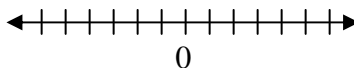| 26. $7 - n \le 19$ | 28. $\dfrac{1}{2}x - 4 > -6$ |
|---|---|
| 32. $-n + 6 < 7n + 4$ | 38. $-16 \le 3x - 4 \le 2$ |
| 40. $-2 < -2n + 7 \le 7$ | 44. $3x + 2 < -10$ or $2x - 4 > -4$ |