|  |
| --- |
| \*Learning Target: |
| \*Critical Content: |

\*REMEMBER: When solving equations (or inequalities!) always do \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ first!

Ex2: Solve $-11y-13>42$. Graph the solution on a number line.

Ex1: Write and solve an inequality to find the sales Mrs. Jones needs if she earns a monthly salary of $2,000 plus a 10% commission on her sales. Her goal is to make at least $4,000 per month. What sales does she need to meet her goal?

Ex3: Define a variable, write an inequality, and solve the following problem:
Five minus six times a number is more than four times the number plus 45.

Ex4: Solve $4\left(3t-5\right)+7\geq 8t+3$. Ex4a: Solve $6\left(5z-3\right)\leq 36z$

Ex5a: Solve $9t-5\left(t-5\right)\leq 4(t-3)$ Ex5b: Solve $3\left(4m+6\right)\leq 42+6(2m-4)$ Ex5b: Solve $46\leq 8m-4(2m+5)$

\*Inequality results in a \_\_\_\_\_\_\_\_\_\_\_ statement, the solution set is the \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_.

\*Inequality results in a \_\_\_\_\_\_\_\_\_\_\_ statement, the solution set is \_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_.