

Name _____

SOLVING INEQUALITIES #5

Directions: In the following inequalities, solve for x . Show your steps and write your answer in the space provided.

Examples:

$$\begin{array}{r} x - 11 > -5 \\ + 11 \quad +11 \end{array}$$

$$\underline{x > 6}$$

$$\begin{array}{r} -2x + 10 \leq 100 \\ + 10 \quad +10 \end{array}$$

$$\begin{array}{r} \underline{-2x \leq 110} \\ -2 \quad -2 \end{array}$$

$$\underline{x > -55}$$

1) $8x - 40 < 120$

2) $16x - 420 > -100$

3) $-5x - 30 > 80$

4) $x - 20 \leq 180$

5) $-2x - 15 \geq 90$

6) $25x - 150 \leq 550$

7) $-4x - 20 < 100$

8) $10x - 30 > 360$

9) $10x - 25 < 625$

10) $-20x - 200 \leq 1,000$

11) $100x - 670 > -670$

12) $5x - 25 \leq 225$
