

Name _____

SOLVING INEQUALITIES #2

Directions: In the following inequalities, solve for x . Show your steps and write your answer in the space provided. Use $\leq$ or $\geq$ to show when it is greater or equal/ less equal to

Examples: $\frac{7x}{7} < \frac{56}{7}$

$$\frac{-4x}{-4} < \frac{48}{-4}$$

$$\frac{12x}{-12} < \frac{-72}{-12}$$

$$x < 8$$

$$x > -12$$

$$x < -6$$

$$\text{Type } < = \text{ for } \leq \text{ or } \geq$$

1) $5x < 120$

2) $16x > -320$

3) $-5x > 60$

4) $-2x < 120$

5) $15x \leq 120$

6) $25x \leq 525$

7) $10x \leq 170$

8) $-3x < 420$

9) $-8x < 80$

10) $500x < 1,500$

11) $11x \leq 121$

12) $-20x < 120$
