

Name _____

SOLVING INEQUALITIES #1

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

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

$x < 8$

$x + 11 > -5$
 $- 11 \quad -11$

$x > -16$

$-2x + 10 \leq 100$
 $- 10 \quad -10$

$\frac{-2x}{-2} \leq \frac{90}{-2}$

$x > -45$

1) $8x < 120$

2) $16x > -100$

3) $-5x > 80$

4) $x + 20 \leq 75$

5) $x - 15 \geq 225$

6) $130 + x \leq 530$

7) $4x + 20 < 100$

8) $10x + 16 > 156$

9) $25 + 6x < 300$

10) $-20x + 20 \leq 400$

11) $100x + 260 > 260$

12) $25 + -8x \leq 225$
