6 - 2 Solving Inequalities by Multiplication and Division

** X/- by negative -> symbol flips

**

Ex:
$$\frac{b}{\sqrt{2}} \ge 25 \cdot 7$$

Ex:
$$-\frac{2}{5}p < 12 \cdot -\frac{5}{2}$$
 - 60 $\frac{2}{2}$

$$EX: \frac{5x}{5} \leq \frac{-100}{5}$$

$$\frac{9}{3} > -\frac{3x}{-3}$$

$$-3 < x$$

Ex: Write an inequality, then solve.

"One-fourth of a number is less than - 7"

Ex: 14h > 68

Ex: $-5t \ge 275$

Ex: Which inequality does not have the solution $\{y \mid y \leq -5\}$?

A.
$$-7y \ge 35$$

C.
$$\frac{7}{5}$$
 y ≥ -7 D. $\frac{y}{-4} \geq \frac{5}{4}$

$$D. \quad \frac{y}{-4} \geq \frac{5}{4}$$

Homework:

20 p. 329 #**≇** - 34 even

and 6-1 WS # 1-4,5,7,9