

Warm Ups Solve and graph.

$$1. 3 + 2x > 7$$

$$\quad -3 \quad -3$$

$$\frac{2x > 4}{2 \quad 2}$$

$$\boxed{x > 2}$$



$$2. \frac{1}{2}(2x - 6) \leq 2(x + 5)$$

$$x - 3 \leq 2x + 10$$

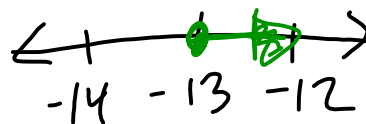
$$\quad -2x \quad -2x$$

$$-x - 3 \leq 10$$

$$\quad +3 \quad +3$$

$$\frac{-x \leq 13}{-1 \quad -1}$$

$$\boxed{x \geq -13}$$



Homework Questions?

28

$$6 \geq \frac{7}{3}x - 1$$

$$\quad -\frac{7}{3}x \quad -\frac{7}{3}x$$

$$-\frac{7}{3}x + 6 \geq -1$$

$$\quad -6 \quad -6$$

$$\frac{-8}{7} \cdot \frac{-7}{3}x \geq \frac{-7}{1} \cdot \frac{-3}{7}$$

$$\boxed{x \leq 3}$$

$$32) \quad 2x + 10 \geq 7(x+1)$$

$$2x + 10 \geq 7x + 7$$

$-2x \quad \quad -2x$

$$-10 \geq 5x + 7$$

$-7 \quad \quad -7$

$$\frac{3}{5} \geq \frac{5x}{5}$$

$$\frac{3}{5} \geq x$$

$$x \leq \frac{3}{5}$$

$$34) \quad -x + 6 > -(2x + 4)$$

$$-x + 6 > -2x - 4$$

$+2x \quad \quad +2x$

$$x + 6 > -4$$

$-6 \quad \quad -6$

$$x > -10$$

Quiz Review

p.352 #1-8, 14

skip #6

SA15 ← go to yellow pgs
in back +
check your answers

6.1-6.2 Quiz

*May use your notes & calculator

*Everything else should be off your desk



*When finished, find something quiet to work on
(I have puzzles/sudoku on the table)

HW - Read Between the
Lines wkst

* write inequality UNDER the
graph & match the letters