

121 S 1.7 I #s 20, 24, 28, 34, 39, 41, 46
 #s 15-26 Solve each inequality - Write the

solution set using interval notation - Write the graph it. I'd graph it myself!

(20) $\frac{1}{2} - x > \frac{x}{3} + \frac{1}{4}$
 LCD = 12

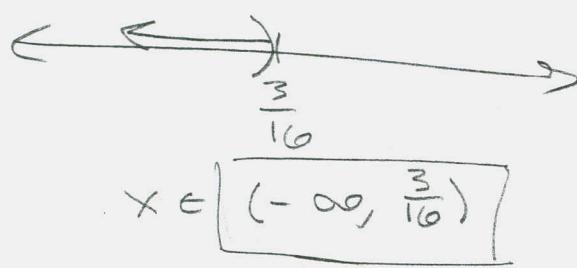
$$(12)\left(\frac{1}{2}\right) - 12(x) > 12\left(\frac{x}{3}\right) + 12\left(\frac{1}{4}\right)$$

$$6 - 12x > 4x + 3$$

$$-12x > 4x - 3$$

$$-16x > -3$$

$$x < \frac{3}{16}$$

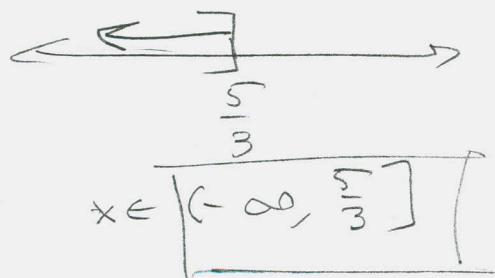


(24) $\frac{5-3x}{-7} \leq 0$

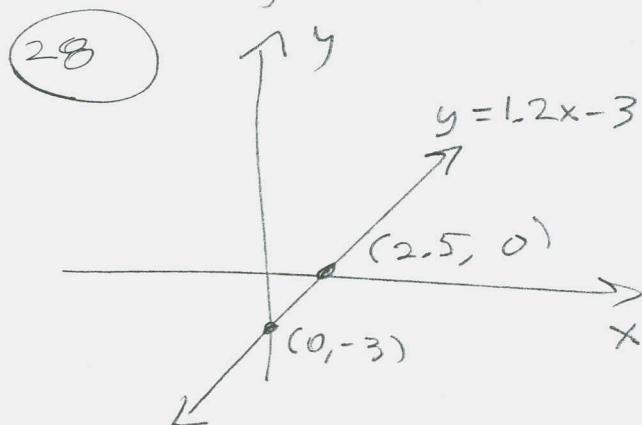
$$5-3x \geq 0$$

$$-3x \geq -5$$

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

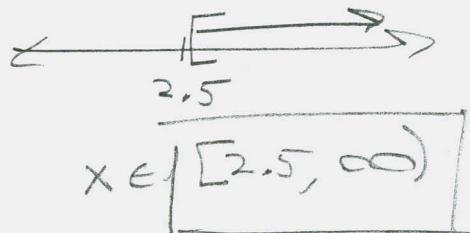


#s 27-30 Solve each inequality by reading the graph.



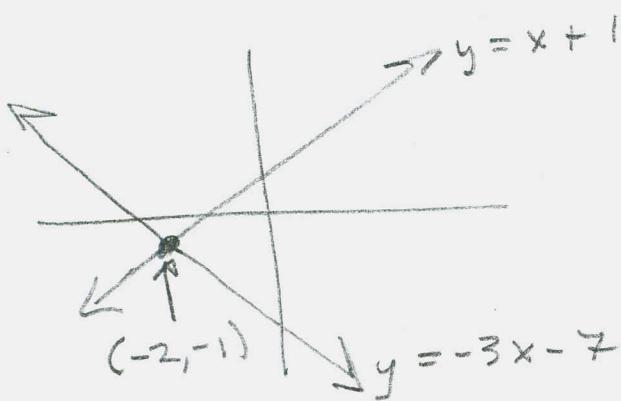
$$1.2x - 3 \geq 0 \text{ when}$$

$$x \geq 2.5$$



121 S 1.7 I #5 34, 39, 41, 46

#5 31-34 Same instructions



34

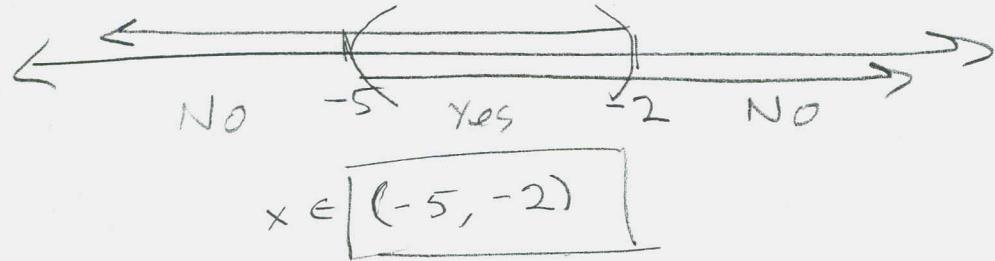
$$x + 1 > -3x - 7$$

when $x > -2$

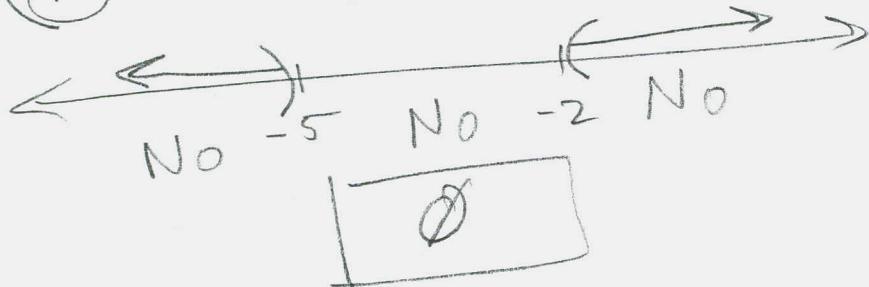
$$\begin{array}{c} \leftarrow \rightarrow \\ -2 \\ x \in \boxed{(-2, \infty)} \end{array}$$

#5 35-44 Write as a single interval

39 AND $(-\infty, -2) \cap (-5, \infty)$



41 $(-\infty, -5) \cap (-2, \infty)$



#5 45-58 Solve each compound inequality.
Write sol'n set with interval notation
and graph it.

121 S 1.7 I #46

$$5 - x < 4 \text{ and } 0.2x - 5 < 1$$

$$-x < -1 \quad -2x < 6$$

$$\begin{array}{l} x > 1 \\ \text{AND} \\ x < \frac{60}{2} = 30 \end{array}$$

$x < 30$

