Today's Plan:

Learning Target (standard): I will review solving equations & inequalities and writing solutions in set and interval notation.

Students will: Complete practice problems over previous concepts at the boards, put up homework problems on the board and make necessary corrections to their own work, and complete practice problems.

Teacher will: Provide practice problems over previous concepts, check homework problems for accuracy and provide students feedback, describe and provide examples of practice problems.

Assessment: Board work, homework check and homework assignment

Differentiation: Students will work at the board, go over and correct homework at their seats, and actively engage in review problems.

CP Algebra II ~ Unit 1 Review #15-26 * Unit 1 TEST today! * $21)\{n|-6 \le n < -1\}; [-6,-1)$ $15)\{b|b>-5\}; (-5,\infty)$ $22)\{r|-5 < r \le 0\}; (-5,0]$ $16)\{p|p<-4\}; (-\infty,-4)$ $23)\{b|-5 \le n \le 19\}; [-5,19]$ $17)\{x|x<-8\}; (-\infty,-8)$ $24)\{a|a \le -\frac{3}{2}, a \ge \frac{27}{10}\}; (-\infty,-\frac{3}{2}] \cup [\frac{27}{10},\infty)$ $18)\mathbb{R}$ $19)\{r|-6 \le r < -2\}; [-6,-2)$ $25)\{x|x \le -6, x \ge \frac{28}{5}\}; (-\infty,-6] \cup [\frac{28}{5},\infty)$ $20)\{b|b \le -9, b > 0\}; (-\infty,-9] \cup (0,\infty)$ $26)\{n|-\frac{15}{4} < n < \frac{13}{4}\}; (-\frac{15}{4},\frac{13}{4})$

Name the set(s), in order, that the number belongs to using words and symbols.

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$$-\frac{15}{4}\left(-\frac{1}{4}x+1\right) + \frac{3}{2}x = \frac{15}{8} + \frac{7}{8}x$$

$$16\left[\frac{15}{16}x - \frac{15}{4} + \frac{3}{2}x = \frac{15}{8} + \frac{7}{8}x\right]$$

$$15x - 60 + 24x = 30 + 14x$$

$$39x - 60 = 30 + 14x$$

$$25x = 90$$

$$x = \frac{18}{8}$$

Solve the inequality. Write the solution using set and interval notation.

$$4p-6 \le -8p+6 < 8-7p$$
 $4p-6 \le -8p+6 < 8-7p$
 $4p-6 \le -8p+6 < 8-7p$
 $-12 \le -12p$
 $-9 < 2$
 $1 \ge p$
 $1 \ge p > -2$
 $2p1-2
 $(-2, 1]$$

Solve the inequality. Write the solution using set and interval notation.

$$8v-7<9v+5< v-3$$
 $8v-7<9v+5< -9v+5< -3$
 $-12< v$
 $8v-7<9v+5$
 $-12< v$
 $8v-7<9v+5< -3$
 $-12< v$
 $8v-7<9v+5< -3$
 $-12< v$
 $-12< v-1$
 $-12=1$

Solve the inequality. Write the solution using set and interval notation.

|2+10k|
$$\geq$$
 12 | $2+10K \geq 12$ | $2+10K \geq 12$ | $10K \leq -14$ | $10K \geq 10$ | $10K \leq -3$ | $10K \leq -$

Solve the inequality. Write the solution using set and interval notation.
$$\begin{vmatrix}
-7 - 9n & | & 97
\end{vmatrix}$$

$$-97 \leq -7 - 9n \leq 97$$

$$-97 \leq -7 - 9n \leq 97$$

$$-90 \leq -9n \qquad -9n \leq 104$$

$$|0 \geq n| \qquad |0 \leq n \leq 103$$

$$\frac{2}{9} = \frac{104}{9} \leq n \leq 103$$

Solve the inequality. Write the solution using set and interval notation.

$$|-8-5x| \times 53$$
 distance
 $|-8-5x| \times 53$ distance
 $|-8-5x| \times 53$ $|-8-5x| \times 53$
 $|-5x| \times -5x = |-5x| \times |-5x|$
 $|-5x| \times -5x = |-5x| \times |-5x|$
 $|-5x| \times -5x = |-5x|$
 $|-5x| \times -5x =$

Assignment:

CP Algebra II ~ Unit 1 Review 2 #1-16

* Unit 1 TEST tomorrow! *