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 #1-14

$$1)k = 0$$

$$2)x = 5$$

$$3)k = -2$$

$$4)b = \frac{31}{4}$$

$$5)n = -\frac{25}{7}, \frac{17}{7}$$

$$6)x = -2,8$$

$$7)x = -\frac{y}{3z}$$

$$8)x = \frac{u}{8} - \frac{3y}{8} - \frac{3}{2}$$

$$9)a = -\frac{bz}{6} + 1$$

$$10)x = \frac{g}{32} + \frac{y}{32}$$

$$11)\mathbb{Z}$$
 (integer)

$$\mathbb{Q}$$
 (rational)

$$\mathbb{R}$$
(real)

$$\mathbb{R}$$
 (real)

$$13)\mathbb{Q}$$
 (rational)

$$\mathbb{R}$$
(real)

$$\mathbb{Z}$$
 (integer)

$$\mathbb{R}$$
 (real)

4)
$$-\frac{2}{5}(b+\frac{2}{3}) = \frac{4}{3}b - \frac{141}{40}$$

$$-\frac{2}{3}b - \frac{2}{3}b - \frac{1411}{40}$$

$$-\frac{1}{3}b - \frac{1}{4}b - \frac{1411}{40}$$

$$-\frac{1}{3}b - \frac{1}{4}b - \frac{1411}{40}$$

$$-\frac{1}{3}b - \frac{1}{4}b - \frac{1}{3}b - \frac{1411}{40}$$

$$-\frac{1}{3}b - \frac{1}{4}b - \frac{1}{3}b - \frac{1}{4}b$$

$$-\frac{1}{3}b - \frac{1}{4}b - \frac{1}{3}b - \frac{1}{4}b$$

$$-\frac{1}{3}b - \frac{1}{4}b - \frac{1}{3}b - \frac{1}{4}b$$

$$-\frac{1}{3}b - \frac{1}{3}b - \frac{1}{4}b$$

$$-\frac{1}{3}b - \frac{1}{4}b - \frac{1}{3}b - \frac{1}{4}b$$

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

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

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

$$8(8x-2) \ge -208$$

 $64x-16 \ge -208$
 $64x \ge -192$
 $x \ge -3$

$$\frac{2}{2}x \times 2 - 3\frac{3}{3}$$

$$(-3, \infty)$$

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

$$4-8(1+3x) \ge 164$$

 $4-8-24x \ge 164$
 $-4-24x \ge 164$
 $-24x \ge 168$
 $x \le -7$

$$\frac{2x|x=-73}{(-\infty,-7]}$$

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

$$-3(r+2) \le -5(r-4)+6$$

 $-3r-6 \le -5r+20+6$
 $-3r-6 \le -5r+26$
 $2r \le 32$
 $r \le 16$

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

$$-6(1+8k) \le 3(k-3)+3$$

$$-6-48k \le 3k-9+3$$

$$-6-48k \le 3k-6$$

$$-6-48k \le 5k-6$$

$$-51k \le 0$$

$$k \ge 0$$

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

$$8x-10 \le 6x+10 < 10x-10$$
 $8x-10 \le 6x+10$
 $6x+10 < 6x+10$
 $6x+$

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

$$7-8n \le 1-9n$$
 or $5n+8>8-9n$
 $7+n \le 1$ $14n>0$
 $n \le -6$ $n>0$
 $2n|n \le -6, n>0$
 $(-\infty, -6] \cup (0, \infty)$

Assignment:

CP Algebra II ~ Unit 1 Review #15-26

* Unit 1 TEST tomorrow! *