## Today's Plan:

Learning Target (standard): I will review for the semester exam.

**Students will**: Complete practice problems over previous concepts at the boards and study for my exam.

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

Assessment: Board work

**Differentiation**: Students will work at the board, actively engage in practice review concepts with the aid of other students and the teacher.

Solve.

$$4|2r-4|-4=12$$
 $4|2r-4|=16$ 
 $2r-4=14$ 
 $2r-4=14$ 

Solve. 
$$7+8n$$
  $7+8n$   $7+8n$   $17+8n$   $17+8n$ 

Solve. 
$$\begin{vmatrix} -v+8 \\ |-v+8| + 9 \le 17 \end{vmatrix}$$
  $-8 \le -v+8 \le 8$   $-||_{2} \le -v \le 0$   $||_{4} \ge v \ge 0$   $||_{4} \ge v \ge 0$   $||_{4} \ge v \le 16$   $||_{5} \ge v \le 16$   $||_{5} \ge v \le 16$ 

## Simplify.

Simplify.

$$\frac{1}{2} \left( \frac{4}{3} a + \frac{10}{9} \right) + 2 \left( \frac{49}{9} a + 1 \right)$$

$$\frac{2}{3} a + \frac{8}{9} + \frac{98}{9} a + 2$$

$$\frac{6}{9} a + \frac{8}{9} + \frac{98}{9} a + \frac{18}{9}$$

$$\frac{104}{9} a + \frac{23}{9}$$

$$\frac{3i}{9-2i} \cdot \frac{9+2i}{9+2i} = \frac{3i(9+2i)}{9-2i(9+2i)}$$

$$= \frac{27i+(9i^2)}{81-4[i^2]}$$

$$= \frac{27i-6}{81+4}$$

$$= -6+27i$$

$$\frac{8}{-10+3i} - \frac{10-3i}{-10-3i} = \frac{8(-10-3i)}{(-10+3i)(-10-3i)}$$

$$= -\frac{80-24i}{100-9i^2} = -1$$

$$= -\frac{80-24i}{100+9}$$

$$= -\frac{80}{109} - \frac{24}{109}i$$

2) 
$$-\frac{7}{4} - 5(\frac{2}{2}n - \frac{4}{3}) = \frac{397}{6}$$

$$12\left[-\frac{7}{4} - \frac{35}{2}n + \frac{29}{3} = \frac{397}{6}\right]$$

$$-21 - 210n + 80 = 794$$

$$-210n + 59 = 794$$

$$-210n = 735$$

$$n = -\frac{7}{2}$$