# Today's Plan:

***Learning Target (standard)***: I will solve multi-step equations.

***Students will***: Complete practice problems over previous concepts at the boards and take a test on solving equations.

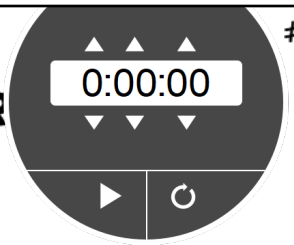
***Teacher will***: Provide practice problems over previous concepts, check homework problems for accuracy and provide students feedback, describe and provide examples of new concepts and assign students assessment problems over new concepts.

***Assessment***: Board work, homework check and test

***Differentiation***: Students will work at the board, go over and correct homework at their seats and complete a written assessment (test).

NAME _____ #21

**BELL RINGER**




1.) Solve $2x - 3 = 2(x - 8)$.

$2x-3=2x-16$ no solution

$-3 \neq -16$

2.) Write y as a function of x.

Solve for y. $4x + 2y = 8$

$2y=-4x+8$

$y=-2x+4$

3.) Simplify $6 + (-9) - (-7)$.

$6-9+7$

$-3+7$ (4)

10) $-7(2+8p)+5p=-5+3(8-6p)$

$-14-56p+5p=-5+24-18p$

$-51p-14=19-18p$
$+18p \qquad +18p$

$-33p-14=19$
$+14 \quad +14$

$-33p=33$
$-33 \quad -33$

$p=-1$

Drinks at the fair cost $2.50. Represent the relationship between the number of drinks bought and the cost in 3 ways - make a table, write an equation and draw a graph.

1) IV: number of drinks
DV: cost in dollars

2)

| X | Y |
|---|---|
| 0 | 0 |
| 1 | 2.5 |
| 2 | 5 |
| 3 | 7.5 |
| 4 | 10 |

3) The cost of the drinks = the product of the number of drinks and 2.5.

$y=2.5x$

Solve.

$$-7(6-2x)=38+14x$$

$-42+14x=38+14x$

$-42 \neq 38$

no solution

Solve.

$$24+4n=7(n+6)$$

$24+4n=7n+42$

$24=3n+42$

$-18=3n$

$n=-6$

Solve.

$$5(5p+2)=10+7p$$

$25p+10=10+7p$

$18p+10=10$

$18p=0$

$p=0$