Today's Plan:

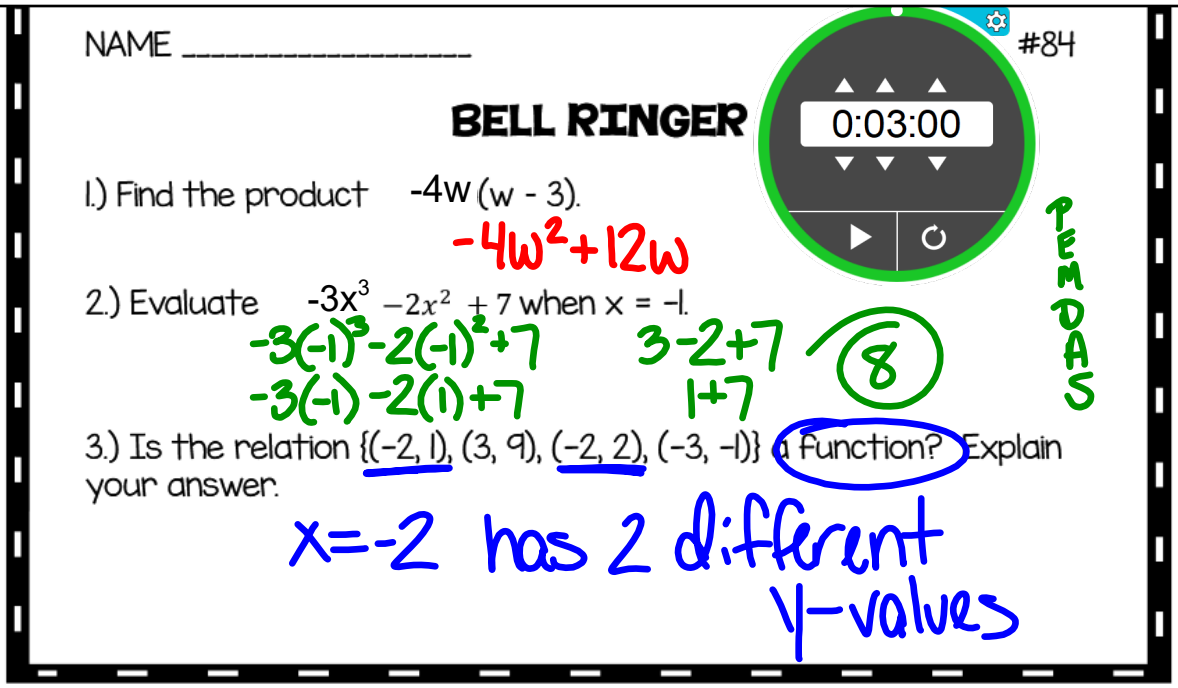
Learning Target (standard): I will solve combined inequalities. I will write their solutions as sets and intervals. I will graph the solutions on a number line.

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 take a quiz.

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

Assessment: Board work, homework check and quiz

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



Solve. Write the solution as a set and interval.

$3n-1\le -5$ or $5\le 3n-1$

① $3n\le -4$, $n\le -\frac{4}{3}$

$-3n+5\le -1$, $-3n\le -6$, $n\ge 2$

② 

③ $\{n \mid n\le -\frac{4}{3}, n\ge 2\}$

④ $(-\infty, -\frac{4}{3}] \cup [2, \infty)$

Solve. Write the solution as a set and interval.

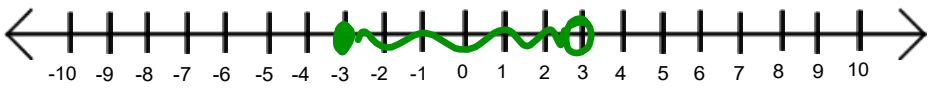
$-5<1-2x\le 7$

① $-6<-2x\le 6$

$3>x\ge -3$

$-3\le x<3$

② $\{x \mid -3\le x<3\}$

③ 

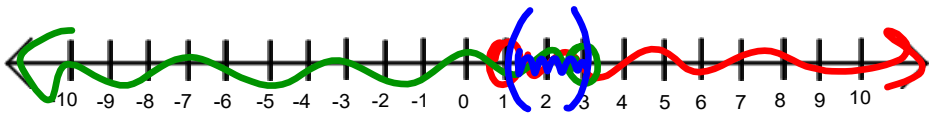
④ $[-3, 3)$

Solve. Write the solution as a set and interval.

$5 - x < 4$ and $3x - 2 < 7$

① $-x < -1$ $\quad 3x < 9$

$x > 1$ $\quad x < 3$

② 

③ $\{x \mid 1 < x < 3\}$

④ $(1, 3)$