Today's Plan:

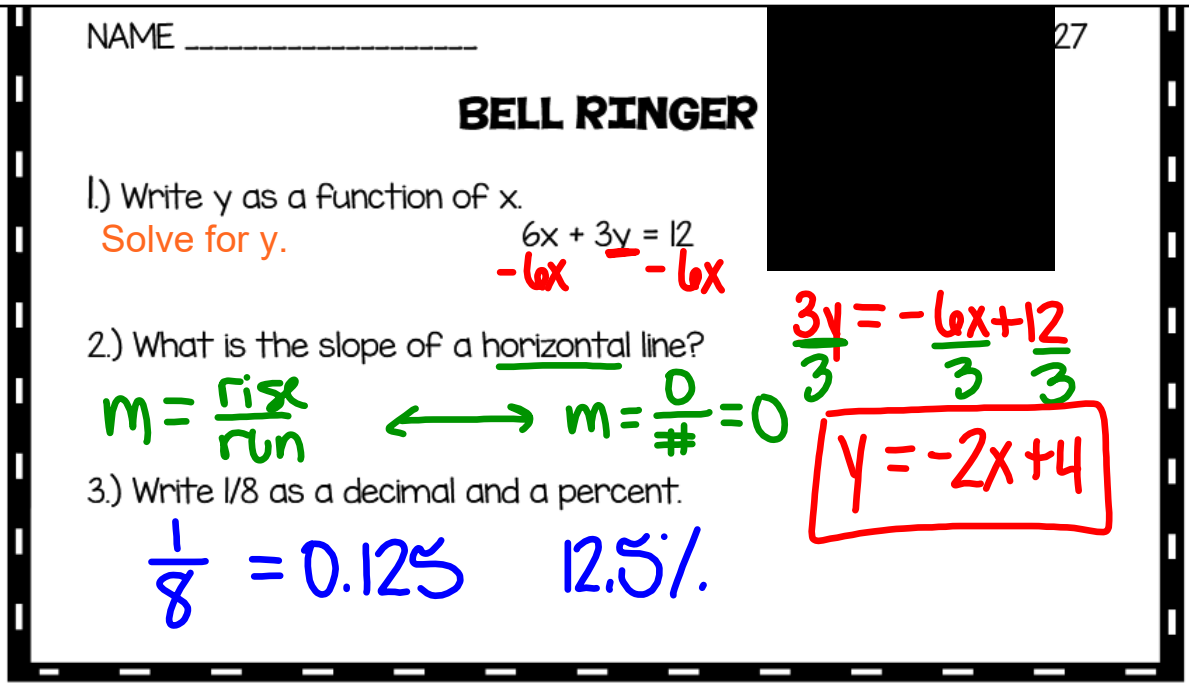
Learning Target (standard): I will solve literal equations for a specific variable. I will use my knowledge of literal equations to put linear equations in slope-intercept form.

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, take notes over new material and complete practice problems over new concepts.

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 homework assignment

Differentiation: Students will work at the board, go over and correct homework at their seats, actively engage in lecture over new concepts, practice new concepts with the aid of other students and the teacher and complete homework assignment.



Solve for y.

4) $\frac{x}{w} = \frac{z}{y^2}$

wy^2

$\frac{xy^2}{x} = \frac{wz}{x}$

$\sqrt{y^2} = \sqrt{\frac{wz}{x}}$

$y = \sqrt{\frac{wz}{x}}$

Solve for q.

5) $p = \frac{q}{4} - r$

4

$4p = q - 4r$

$+4r \quad +4r$

$4p + 4r = q$

$q = 4p + 4r$

Literal Equations "Math Lib"

(1) Mr. Sturgeon was (2) shocked

to be (3) carving pumpkins with (4) Taylor Swift

on (5) Saturday night at the (6) World Series

in a (7) bounce house while wearing

(8) gorilla costumes and (9) singing show tunes

because (10) they were extras in a movie !

Solve for y.

$$-3x+7y=-14$$

$+3x \qquad +3x$

$$\frac{7y}{7}=\frac{3x}{7}-\frac{14}{7}$$

$$y=\frac{3}{7}x-2$$

Solve for F :

$9\left[C=\frac{5}{9}(F-32)\right]$

$9C=5(F-32)$

$9C=5F-160$

$+160 \quad +160$

$\frac{9C}{5}+\frac{160}{5}=\frac{5F}{5}$

$\frac{9}{5}C+32=F$

$F=\frac{9}{5}C+32$

Solve for p :

$n\left[\frac{p+3}{n}=-4\right]$

$p+3=-4n$

$-3 \quad -3$

$p=-4n-3$

Assignment:

Edulastic Literal Equations

#1 - 10

* This is your post-assessment on solving literal equations. It will be graded for accuracy. Solve the problems on paper and submit them in Edulastic. Turn your work into me. *