## 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.

Write the equation of the line in standard form.

$$\begin{array}{c}
\text{thru}(1,-2) \\
\text{M}_{\perp} = -\frac{2}{5}
\end{array}$$

$$\begin{array}{c}
\text{perpendicular to} \\
\text{M}_{\perp} = -\frac{2}{5}
\end{array}$$

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\text{M}_{\perp} = -\frac{2}{5}$$

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A concessions stand sold a cotal of 138 small and large popcorns. A small popcorn costs \$2.50, and a large popcorn costs \$4.00. Total popcorn sales were \$466.50. How many large popcorns were sold?

(1) 
$$X = Small Popcorn$$
 $Y = large Popcorn$ 
 $Y$ 

## Writing Prompts:

- Describe the 3 types of systems and their solutions. Be sure to provide a graphical example of each type of system and describe slopes and intercepts.
- Describe the properties of parallel and perpendicular lines. Provide examples through equations and graphs.
- Describe the meaning of the solution set of a system of inequalities. Be sure to include an explanation about the lines as well as the shaded region. Provide examples to support your description.