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## **CLASS** **COMPETITION**

Bring in **CANNED FOOD** to your

**2<sup>ND</sup> HOUR**

**WINNERS** get a **PIZZA PARTY!!!!**

**NOV 18 ~ DEC 13**

**ONLY THE COMPETITIVE WIN!!**

HELP END  
THE HUNGER  
OF CHILDREN



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Algebra 1 Bellwork Monday, December 2, 2013

For 1 to 3 solve each inequality and graph the solution.

1.  $2d - 4(d + 6) < 11$

Sol:  $d > -17.5$

$$2d - 4d - 24 < 11$$

$$-2d - 24 < 11$$

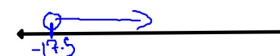
$$+24$$

$$-2d < 35$$

$$\div -2$$

$$d > -17.5$$

Graph:



2.  $5c + 12 - c \geq -7 - 4c - 5$

Sol:  $c \geq -3$

Graph:



$$\begin{array}{r} 4c + 12 \geq -12 - 4c \\ +4c \quad \quad +4c \end{array}$$

$$\begin{array}{r} 8c + 12 \geq -12 \\ -12 \quad -12 \\ \hline 8c \geq -24 \\ \hline 8 \quad \quad 8 \end{array} \quad c \geq -3$$