Algebra Bellwork - October 31, 2011

Emilio saved $2,000 for his trip to Hawaii. His plane ticket cost $637.

Write and solve an inequality to find how much he can spend on <u>everything else</u> while he is on vacation. **(Hint: define a variable for "everything else")**

Check your answers:

14) no; no; yes	29) $x \geq 1$
16) B	30) $x < -6$
18) A	31) $x \geq 4.5$
20) open, left	32) $x < -0.5$
22) closed, right	33) $s \leq 48$
27) $x > -3$	35) $w \leq 60$
28) $x \leq 7$	37) $a > 75$

Algebra Bellwork - October 31, 2011

Emilio saved $2,000 for his trip to Hawaii. His plane ticket cost $637. Write and solve an inequality to find how much he can spend on everything else while he is on vacation. (Hint: define a variable for "everything else")

$637 + x ≤ $2,000

−637 −637

x ≤ $1,363

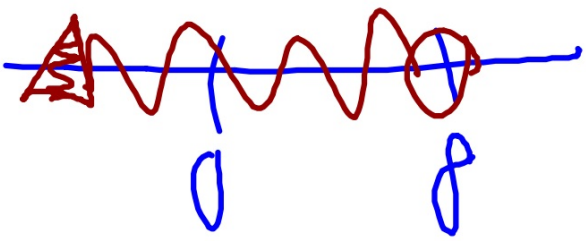
Objective: Today we will solve and graph **Inequalities** using the addition/subtraction properties of inequality.

Language Objective: Today we will **read** and **write** solutions to word problems using Inequalities.

$$x - 3 < 5$$

$+3 \quad +3$

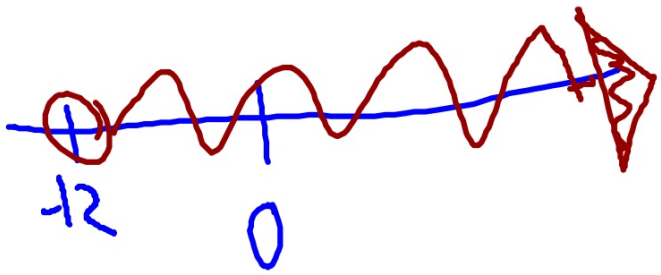
$x < 8$



$$y + 5 > -7$$

$-5 \quad -5$

$y > -12$



13. $-\frac{2}{3} > q - 4$

$+4 \quad +4$

$4\frac{3}{3} - \frac{2}{3} > q$

$\frac{12}{3} - \frac{2}{3} > q$

$\frac{10}{3} > q$