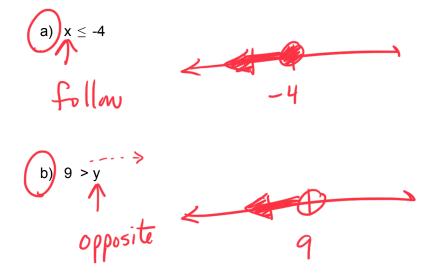
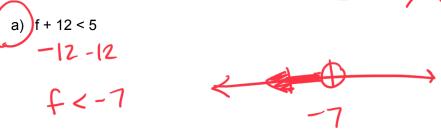


1.) (5 pts each, 10 pts total) (3-1) Graph each of the following inequalities.



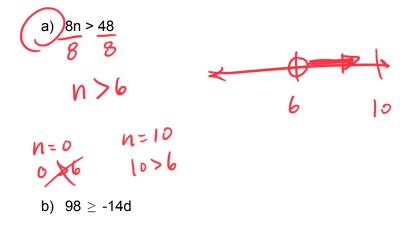
2.) (5 pts each, 15 pts total) (3-2) Solve each inequality. Graph and check the solution.

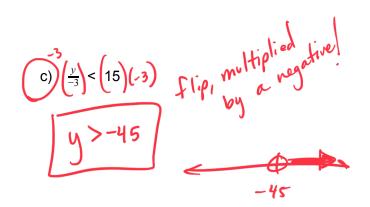


b) $-8 \le t + 3$



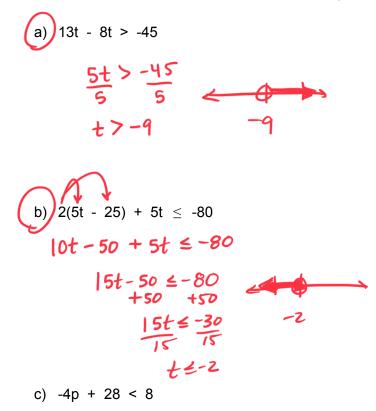
3.) (5 pts each, 20 pts total) (3-3) Solve each inequality. Graph and check the solution.





d) -16 $\leq \frac{b}{6}$

4.) (5 pts each, 20 pts total) (3-4) Solve each inequality. Graph and check the solution.



(d)
$$3(4g - 6) \ge 6(g + 2)$$

 $lag - 18 \ge 6g + 12$
 $+18$
 $lag \ge 6g + 30$
 $-6g - 6g$
 $6g \ge 30$
 $6g \ge 5$

5.) (5 pts each, 20 pts total) (3-5) Solve each inequality. Graph and check the solution.

(b)
$$7 + 2a > 9$$
 or $-4a > 8$
 $-7 - 4 - 4$
 $2a > 2$
 $a > 1$
 $a < -2$
 $a > 1$
(c) $-1 < h - 2 \le 5$
 $t < t + 2 + 2$
 $a < 1$
 $t < h \le 7$
 $t < h \le 7$
 $t < h < -2$
 $t < h < -2$

d) t + 5 < 2 or 3t + 1 \geq 10

6.) (5 pts each, 10 pts total) (3-6) Solve each inequality. Graph and check the solution.

a)
$$|j| - 2 \ge 6$$

(b)
$$5 > |v + 2| + 3$$

 $2 > |v + 2| + 3$
 $2 > |v + 2|$
 $2 > |v$