

# Algebra 1      Review Sec 3-2 to 3-4      Fall 2013

Solve each inequality and graph the solution.

1.  $4.7 + m > -13.6$

2.  $18.5 \geq Q + 38.9$

3.  $-4x \geq 42$

4.  $-15 < \frac{w}{5}$

5.  $-\frac{4}{3}p < -20$

6.  $-14 \geq \frac{1}{7}c$

Solve each inequality. Do not graph the solution.

7.  $-6 + 4a \leq -53$

8.  $33 > 5 - \frac{x}{4}$

9.  $11 - 3b + 4 - 7b < 20$

10.  $8z + 7 - z \geq 12 + 9z - 3$

11.  $4 - 3(2m + 5) + 7 > 4m + 8 - 10m$

12.  $3k - 11 + 2(k + 4) \leq 5k + 6(k - 3) + 15$

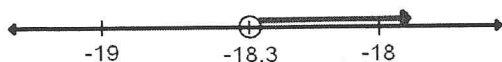
13.  $14 - \frac{7}{6}v \leq -21$

14.  $10y - 6(y - 2) - 1 \geq 3y + 2(y - 7) - y + 1$

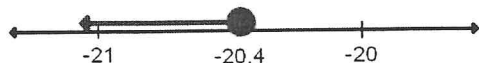
15.  $-5 - 8g < -16 - 6g$

16.  $3c + 13 + 2c - 1 - 5c > 7c + 15 - 8c$

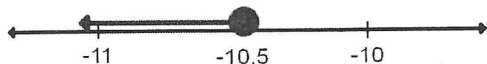
1.  $m > -18.3$



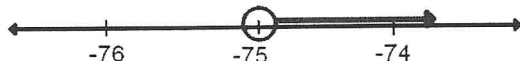
2.  $Q \leq -20.4$  or  $-20.4 \geq Q$



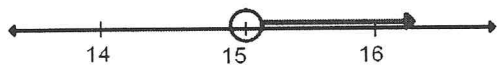
3.  $x \leq -10.5$



4.  $w > -75$  or  $-75 < w$



5.  $p > 15$



6.  $c \leq -98$  or  $-98 \geq c$



7.  $a \leq -11.75$  or  $a \leq -\frac{47}{4}$

8.  $x < -112$  or  $-112 > x$

9.  $b > -0.5$  or  $b > -\frac{1}{2}$

10.  $z \leq -1$  or  $-1 \geq z$

11. No solution

12.  $k \geq 0$  or  $0 \leq k$

13.  $v \geq 30$

14. All Real Numbers

15.  $g > 5.5$  or  $g > \frac{11}{2}$

16.  $c > 3$  or  $3 < c$