

Graph the compound inequalities.

COMPOUND INEQUALITIES HW

Name: KEY

1) $x \leq 0$ or $x > 2$



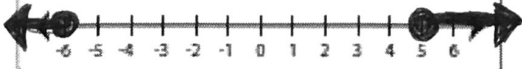
2) $x > -1$ and $x < 3$



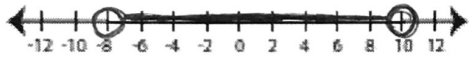
3) $-4 < x \leq 4$



4) $x \geq 5$ or $x \leq -6$



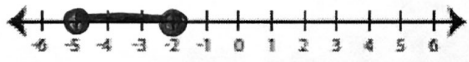
5) $10 > x > -8$



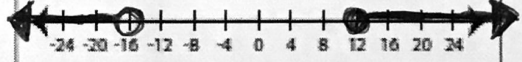
6) $x < 9$ and $x \geq 3$



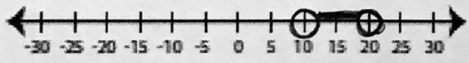
7) $x \leq -2$ and $x \geq -5$



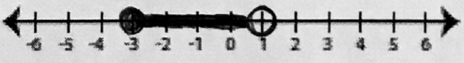
8) $x \geq 12$ or $x < -16$



9) $x > 10$ and $x < 20$

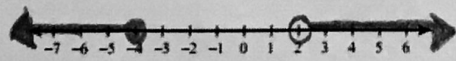


10) $-3 \leq x < 1$

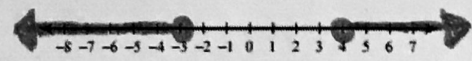


Solve each compound inequality and graph its solution.

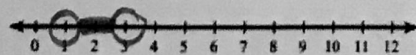
1) $n + 1 \leq -3$ or $-4n < -8$
 $-1 - 1$ $-4 -4$
 $n \leq -4$ or $n > 2$



2) $\frac{k}{4} \geq 1$ or $\frac{k}{3} \leq -1$
 $k \geq 4$ or $k \leq -3$



3) $\frac{2 < 2x < 6}{2 \quad 2 \quad 2}$
 $1 < x < 3$



4) $6 \leq x + 6 \leq 11$
 $-6 \quad -6 \quad -6$
 $0 \leq x \leq 5$

