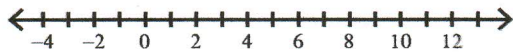


Compound Inequalities

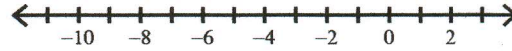
Solve each compound inequality and graph its solution.

write the interval notation for each problem. SHOW YOUR WORK

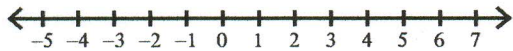
1) $n - 10 \geq 0$ or $-5 + n < -6$



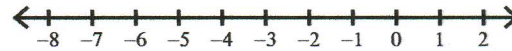
2) $\frac{v}{2} \leq 0$ and $v - 2 > -10$



3) $x + 1 \geq 3$ or $6 + x < 4$



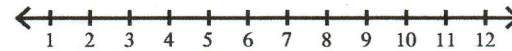
4) $7 + m \geq 2$ and $m + 1 < 2$



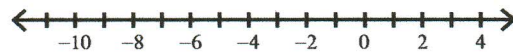
5) $6x > -36$ or $3x \leq -24$



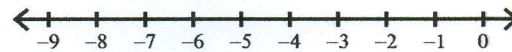
6) $9 + b \geq 16$ or $b + 7 < 11$



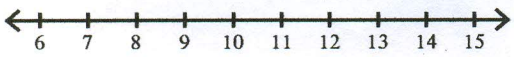
7) $-20 \leq -6m - 2 \leq 58$



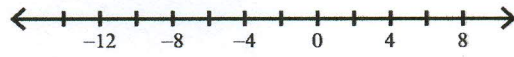
8) $-53 < 9v + 1 < -26$



9) $2 + 5m \geq 52$ or $7 - m > -2$



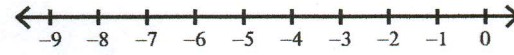
10) $7 - 4x > 47$ or $5x - 1 > 24$



11) $-47 > 1 - 8m > -63$



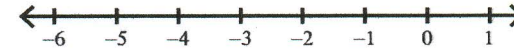
12) $-5 + 2n \geq -11$ or $-6 - 10n > 44$



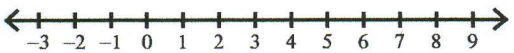
13) $-4x - 2 \geq 10$ or $1 - x < 0$



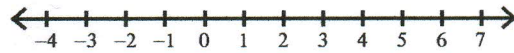
14) $2 - n > 2$ and $-4n + 1 \leq 21$



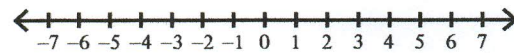
15) $-8k + 7 < -7k + 2$ or $-6 + 2k \leq -3k - 6$



16) $4 - 7k < -3k - 4$ or $5k + 2 \leq 8 - k$



17) $4n + 2 \geq 6n + 8$ or $-n + 7 < 4n - 3$



18) $6 - 6k \leq 2k + 6$ or $-k - 8 \geq k + 6$

