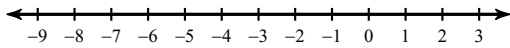


Unit 1.9 Solving Compound Inequalities

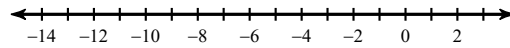
Period _____

Solve each compound inequality and graph its solution. Give the interval notation.

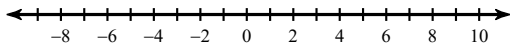
1) $\frac{v}{6} \geq 0$ or $v + 6 < 0$



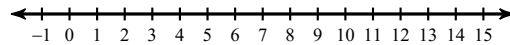
2) $x + 3 < -6$ or $\frac{x}{10} \geq 0$



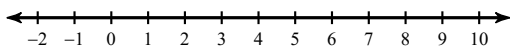
3) $2r - 1 \leq -9$ or $9 - 7r < -33$



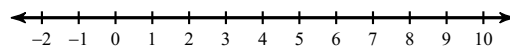
4) $-8n + 4 \geq -20$ or $n + 9 \geq 19$



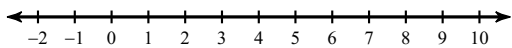
5) $2a + 7 \leq 2 + 3a$ or $-2a - 3 < -6a + 5$



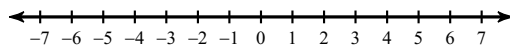
6) $p + 6 \geq 6p - 9$ or $4 - 10p < -9p - 2$



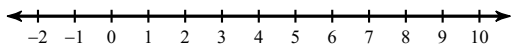
7) $-10 < m - 9 < 0$



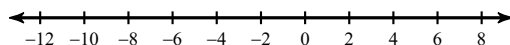
8) $-12 < -3v < 18$



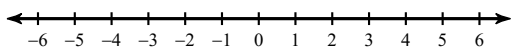
9) $-4 \leq 3 - x \leq 3$



10) $-23 < 3v + 4 \leq 25$



11) $4v - 1 > 1 + 2v$ and $4 - 8v > -4v - 8$



12) $9n + 5 \geq 8n - 1$ and $2n - 6 > 3n - 2$

