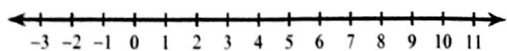


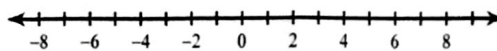
NTI Day 8: Compound Inequalities

Solve each compound inequality and graph its solution. Show all of your work for credit. Please circle your answer.

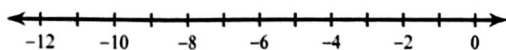
1) $-1 < \frac{n}{2} < 4$



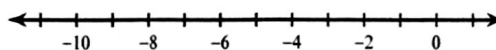
2) $2v < -8$ or $-4v < -16$



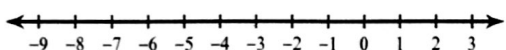
3) $-32 < 4x \leq -24$



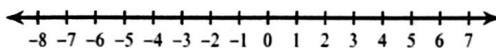
4) $4m \geq -32$ and $m + 10 < 8$



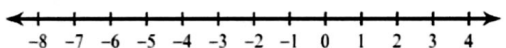
5) $x + 7 \leq 8$ and $\frac{x}{4} > -2$



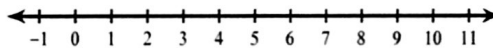
6) $v - 3 \geq -9$ and $v - 3 < 2$



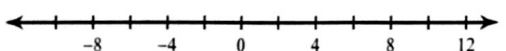
7) $p + 9 < 10$ and $p - 9 > -14$



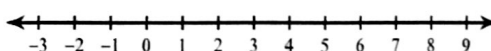
8) $r - 6 \leq 3$ and $r - 8 \geq -7$



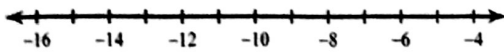
9) $\frac{p}{6} \leq -1$ or $p + 9 > 17$



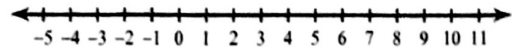
10) $\frac{r}{10} > 0$ and $1 + r < 5$



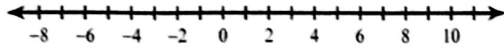
11) $8a + 2 \leq -78$ or $4a - 5 > -41$



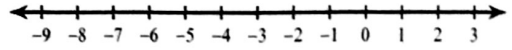
12) $-21 \leq 4r - 5 \leq 27$



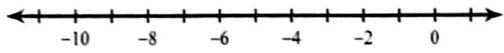
13) $-4 + 4x \geq 28$ or $8x + 3 \leq -37$



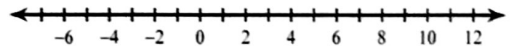
14) $4b - 10 \leq -22$ and $3 - 5b \leq 28$



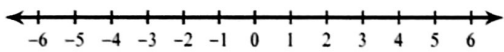
15) $-41 < 4x - 9 \leq -9$



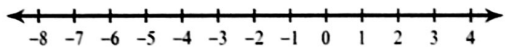
16) $-7p - 10 \geq 11$ or $-8p + 9 \leq -55$



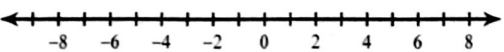
17) $2x + 4 < 6x + 4$ or $-x - 7 \geq 5x + 5$



18) $-9x + 7 \geq 6x + 7$ and $4x + 1 \leq 9 + 8x$



19) $7v + 6 > 10 + 8v$ or $10 + 2v \leq 3v + 7$



20) $9r + 8 > 8r + 8 > 9r - 4$

