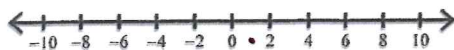


Solving Inequalities with Special Cases

Solve each inequality and graph its solution.

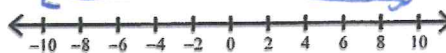
1) $6(3 - b) > -6b + 18$



$$18 - 6b > -6b + 18$$

$$18 > 18 \quad \text{No Sol.}$$

2) $5(5 + n) \leq 25 + 5n$

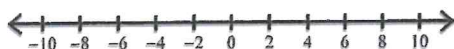


$$25 + 5n \leq 25 + 5n$$

$$25 \leq 25$$

$$\text{Inf. Sol}$$

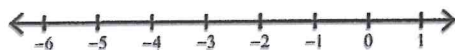
3) $-2 - 5r < -(5r + 5)$



4) $-2(v + 2) \leq -4 - 2v$



5) $-6(4x + 2) > -3x + 30$



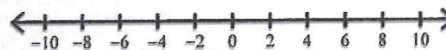
6) $-5p + 21 > 3(p - 3) - 2$



7) $v < -(1 - v)$



8) $-(n + 4) - 2 \leq -6 - n$



9) $-4 - 6(-1 + n) \leq 2 + 5n$



10) $2(4k - 3) + 4 > 14 + 4k$



11) $5 + 2(5r - 1) \leq -15 + 4r$



12) $-4 + 5(4 - 5x) > -26 - 4x$

